Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

RETURN RECEIPT REQUESTED

February 6, 2012

Ms. Melinda Woodruff
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

RE: Yorktown Power Station
Application for Reissuance of VPDES Permit No. VA0004103

Dear Ms. Woodruff:

I am pleased to submit one original and a compact diskette of our application for renewal of VPDES Permit No. VA0004103 for the Yorktown Power Station. The enclosed documents include completed application forms, maps, addendum, permit billing information, and public notice authorization.

This application was prepared based on current state requirements and pre-application discussions with the DEQ-Tidewater Regional Office. The above referenced permit expires on August 15, 2012, and consequently, this application for reissuance must be filed by February 17, 2012.

As required by the Clean Water Act 316(b) regulations (40 CFR Part 125, Subpart J) and by Part I.B.10 of the 2007 VPDES permit, we submitted to the DEQ on August 8, 2008 the Impingement Mortality and Entrainment Characterization Study for Yorktown Power Station.

Should you have any questions and/or require additional information, please contact Gina Kelly of my staff in our Glen Allen, Virginia office at 804-273-3174 or via email at Virginia.R.Kelly@dom.com.

Sincerely,

Cathy C. Taylor
Director, Electric Environmental Services

Application Package Contents

EPA Form 1

EPA Form 2C

EPA Form 2F

VPDES Permit Application Addendum

Public Notice Authorization

Permit Billing Information

Attachments

Attachment A	Topographic and Other Site Maps
Attachment B	Process Line Drawings
Attachment C	Potential Discharges Not Covered by Analysis
Attachment D	Effluent Sampling Documents
Attachment E	Site Drainage Maps
Attachment F	Stormwater Pollution Prevention Plan (SWPPP)
Attachment G	Additional Clean Water Act Requirements for NPDES Permit Applications
Attachment H	Permit Requests
Attachment I	Supplemental Information

EPA Form 1

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

9		T/A	C
F	110000342371		D
1	2 — 13	14	15

LABEL ITEMS		GENERAL INSTRUCTIONS
I. EPA I.D. NUMBER	PLEASE PLACE LABEL IN THIS SPACE	If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.
III. FACILITY NAME		
V. FACILITY MAILING ADDRESS		
VI. FACILITY LOCATION		

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
	16	17	18		19	20	21
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
	22	23	24		25	26	27
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3) Form 3 was not included per Form 1 instructions (the appropriate Federal permit has already been obtained).	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
	28	29	30		31	32	33
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
	34	35	36		37	38	39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
	40	41	42		43	44	45

III. NAME OF FACILITY

C		
1	SKIP	Dominion- Yorktown Power Station
15	16 – 29	30 — 69

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
C 2 Taylor, Cathy C. - Director Electric Environ'l Services	(804) 273-2929
15 16 — 45	46 48 49 51 52 55

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX

C	
3	5000 Dominion Blvd.
15	16 — 45

B. CITY OR TOWN	C. STATE	D. ZIP CODE
C 4 Glen Allen	VA	23060
15 16 — 40	41 42	47 51

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

C	
5	1600 Waterview Road
15	16 — 45

B. COUNTY NAME

46	York — 70

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
C 6 Yorktown	VA	23692	
15 16 — 40	41 42	47 51	52 -54

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
4911 (specify) Electric Services	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: Virginia Electric & Power Company

B. Is the name listed in Item VIII-A also the owner? ☑ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box: if "Other," specify.)*

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P (specify)

D. PHONE *(area code & no.)*: A (804) 273-2929

E. STREET OR P.O. BOX: 5000 Dominion Blvd.

F. CITY OR TOWN: Glen Allen

G. STATE: VA

H. ZIP CODE: 23060

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	D. PSD *(Air Emissions from Proposed Sources)*
9 N VA0004103	9 P 60137 Title V Registration
B. UIC *(Underground Injection of Fluids)*	**E. OTHER** *(specify)*
9 U	9 457 (specify) DEQ Solid Waste Permit
C. RCRA *(Hazardous Wastes)*	**E. OTHER** *(specify)*
9 R VAD000619767	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements. See Attachment A.

XII. NATURE OF BUSINESS *(provide a brief description)*

Generation of electricty with steam produced by the combustion of fossil fuels.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
C.D. Holley, VP Fossil & Hydro System Operations	C D Holley	02/06/2012

COMMENTS FOR OFFICIAL USE ONLY

C

EPA Form 2C

Please type or print in the unshaded areas only

EPA ID Number *(Copy from Item 1 of Form 1)*
110000342371

Form Approved
OMB No. 2040-0086
Approval expires 3-31-98

Form **2C** NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICUTLRAL OPERATIONS
Consolidated Permits Program

I. Outfall Location

For this outfall, list the latitude and longitude of its location to the nearest 15 seconds and name of the receiving water.

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
001	37	13	01	-76	27	27	York River
002	37	13	01	-76	27	27	York River
003	37	11	21	-76	28	12	Chisman Creek
005	37	12	57	-76	27	43	York River
006	37	12	57	-76	27	43	York River
007	37	12	57	-76	27	43	York River
016	37	12	57	-76	27	43	York River
017	37	11	19	-76	28	9	Chisman Creek

II. Flows, Sources of Pollution, and Treatment Technologies

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g. for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures. **See Attachment B.**

B. For each outfall, provide a description of (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

1. Outfall Number	2. Operations Contributing Flow		3. Treatment		
	a. OPERATION *(list)*	b. AVERAGE FLOW	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Condenser cooling water; internal outfalls	476.3 MGD	Thermal diffusion; discharge to surface water	4-A	
*(101)	Finger Ponds aka Low volume wastes (including, but not limited to):	0.590 MGD	Flow equalization (3.0 MG design capacity; 3.4 days retention time); sedimentation; skimming; floatation (oil retention pond, only); discharge to discharge canal	1-U, 1-H	
	Boiler blowdown	0.054 MGD			
	Surge tank overflow	0.001 MGD			
	Pyrite hydrobin overflow	0.144 MGD			
	Unit 3 boiler seal trough	1.136 MGD			
	Demineralizer wastes	Varies			
	Reverse Osmosis wastes	0.008 MGD			
	Stack washes	Varies			
	Mechanical dust collector drains	Varies			
	Air preheater drains	Varies			
	Boiler slope washes	Varies			
	Fan washes	Varies			
	Localized boiler tube rinsing	Varies			
	Clinker removal	Varies			
	Acid and caustic tank dike, ammonia tank dike and other sources of stormwater	0.001 MGD			
	Oil retention pond (0.5 MG capacity; retention time of 25 hours)	0.473 MGD			

*(102)	Metals cleaning pond: Units 1-3 ESP wash Air preheater wash Units 1-3 boiler wash Ductwork wash Turbine wash Boiler tube washdown Coal fly ash leachate tank Alternative flow for Low volume wastes	0.220 MGD 0.002 MGD 0.002 MGD 0.001 MGD 0.002 MGD 0.01 MGD Varies Varies Varies	3.0 MG design capacity; mixing; chemical precipitation; neutralization; discharge to discharge canal	1-O, 2-C, 2-K	
*(103)	Stormwater - coal pile runoff Vehicle wash water "Rainbird" water used in dust suppression acitivites (potable water)	1.538 MGD	Sedimentation; discharge to discharge canal	1-U	
*(105)	Dewatering of outfall pumps during maintenance	Varies	Discharge to discharge canal		
002	Weir discharge of condenser cooling water; all internal outfalls	248.3 MGD	Thermal diffusion; discharge to surface water	4-A	
*(202)	Outfall pumps pit sump	0 MGD – see comment in Item II.C	Discharge to outfall weir		
*(203)	Outfall pumps pit sump back up	Varies	Discharge to outfall weir		
*(204)	Outfall pumps cooling/sealing water	0.01152 MGD	Discharge to outfall weir		
*(111)	Intake screen wash	1.872 MGD	Discharge to outfall weir		
003	Sediment Pond #1: Stormwater runoff from ash landfill Truckwash wastewater Runoff from dust suppression activities	1.472 MGD Varies with rainfall Varies Varies	Sedimentation; neutralization; discharge to surface water	1-U, 2-K, 4-A	
005	Unit 1 condenser backwash	79.2 MGD	Discharge to surface water	4-A	
006	Unit 2 condenser backwash	79.2 MGD	Discharge to surface water	4-A	
007	Dewatering of intake pump structure and header	Varies	Discharge to surface water	4-A	
016	Intake leak collection pit	Varies	Discharge to surface water	4-A	
017	Ash landfill hydrostatic pressure relief drainage (uncontaminated groundwater)	Varies	Discharge to surface water	4-A	
Additional Discharges into the discharge canal	Giant Industries, Inc. strainers backwash	0.054 MGD	Discharge to discharge canal		
	HRSD York River STP effluent (VA0081311)	10.0 MGD Average Design Capacity	Discharge to discharge canal		

* (Internal Outfalls)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?
X **YES** *(complete the following table)* ☐ **NO** *(go to Section III)*

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY a. DAYS PER WEEK (specify average)	3. FREQUENCY b. MONTHS PER YEAR (specify average)	4. FLOW a. FLOW RATE (in mgd) 1. LONG TERM AVERAGE	4. FLOW a. FLOW RATE (in mgd) 2. MAXIMUM DAILY	4. FLOW b. TOTAL VOLUME (specify with units) 1. LONG TERM AVERAGE	4. FLOW b. TOTAL VOLUME (specify with units) 2. MAXIMUM DAILY	4. FLOW c. DURATION (in days)
102	Metals cleaning wastes pond	7	2	0.220	0.432	--	--	14
105	Dewatering of outfall pumps during maintenance	3	1	varies	varies	varies	varies	3
202	Outfall pumps pit sump	0 MGD- The equipment which generates discharge from this outfall has been out of service for the past three years; however, we wish to have the wastewater source and outfall identified should the equipment be placed back into service.						0
203	Outfall pumps put sump back up	varies	varies	varies	varies	varies	varies	varies
204	Outfall pumps cooling/sealing water	1	varies	0.01152	varies	--	varies	30
111	Intake screen wash	7	12	1.872	varies	--	varies	365
003	Stormwater runoff; Truckwash wastewater	2	12	1.472	varies	varies	varies	48
005	Unit 1 condenser backwash	3	12	79.2	79.2	--	--	156
006	Unit 2 condenser backwash	3	12	79.2	79.2	--	--	156
007	Dewatering of intake pump structure and header	3	1	varies	varies	varies	varies	3

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?
X **YES** *(complete Item III-B)* ☐ **NO** *(go to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?
☐ **YES** *(complete Item III-C)* X **NO** *(go to Section IV)*

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	2. AFFECTED OUTFALLS (list outfall numbers)
N/A			

IV. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.
☐ **YES** *(complete the following table)* X **NO** *(go to Item IV-B)*

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS a. No	2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	4. FINAL COMPLIANCE DATE b. PROJECTED
N/A					

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs *(or other environmental projects which may affect your discharges)* you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.
☐ **MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAM IS ATTACHED**

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided. **NOTE:** Tables V-A, V-B, and V-C are included on separate sheets number V-1 through V-9.

D: Use the space below to list any of the pollutants listed in Tables 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
No 2C-3 pollutants are known or believed to be discharged from any outfall listed above.			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

X **YES** *(list all such pollutants below)* ☐ **NO** *(go to Item VI-B)*

See **Attachment C** for a list of other potential discharges not covered by analysis.

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

X **YES** *(identify the test(s) and describe their purpose below)* ☐ **NO** *(go to Section VIII)*

Toxicity testing and reporting have been conducted in accordance with the requirements of Part I.C of the VPDES permit. A summary of the test results from 2009 – 2011 are below.

Outfall	Year	Test Species	LC_{50}	TU_{ac}	NOEC Survival	NOEC Growth/Reproduction
002	2009	*M. bahia*	>100%	<1.0	100%	100%
	2010		>100%	<1.0	100%	100%
	2011		>100%	<1.0	100%	100%
003	2009, Q1	*C. dubia*	>100%	<1.0	-	-
	2009, Q2		>100%	<1.0	-	-
	2009, Q3		>100%	<1.0	-	-
	2009, Q4		>100%	<1.0	-	-
	2010, Q1		>100%	<1.0	-	-
	2010, Q2		>100%	<1.0	-	-
	2010, Q3		>100%	<1.0	-	-
	2010, Q4		>100%	<1.0	100%	100%
	2011, Q1		>100%	<1.0	-	-
	2011, Q2		>100%	<1.0	-	-
	2011, Q3		>100%	<1.0	100%	100%
	2011, Q4		>100%	<1.0	-	-

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

X **YES** *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ **NO** *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*	D. POLLUTANTS ANALYZED *(list)*
Primary Laboratories Inc.	7423 Lee Davis Rd., Mechanicsville, VA 23111	(804) 559-9004	See **Attachment D**
Pace Analytical	1638 Roseytown Rd., Greensburg, PA 15601	(724) 850-5600	See **Attachment D**
		( )	
		( )	
		( )	
		( )	

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
C.D. Holley, VP Fossil and Hydro System Operations	(804) 273-3592
C. SIGNATURE C D Holley	D. DATE SIGNED 02/06/2012

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000342371

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 001

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT						d. No. OF ANALYSES	3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	4	17090	--	--	--	--	1	mg/L	kg/d	< 3	--	1
b. Chemical Oxygen Demand *(COD)*	115.26	492449	--	--	--	--	1	mg/L	kg/d	112.21	--	1
c. Total Organic Carbon *(TOC)*	6.4	27344.1	--	--	--	--	1	mg/L	kg/d	5.7	--	1
d. Total Suspended Solids *(TSS)*	9.4	40161.6	--	--	--	--	1	mg/L	kg/d	9.3	--	1
e. Ammonia *(as N)*	0.03	128.175	--	--	--	--	1	mg/L	kg/d	0.02	--	1
f. Flow	VALUE 1128.8		VALUE 846.6		VALUE 476.3		35	MGD	--	VALUE --		-- --
g. Temperature (*winter*)	VALUE 18.2		VALUE --		VALUE 14		18	°C		VALUE --		--
h. Temperature (*summer*)	VALUE 32.4		VALUE --		VALUE 28.9		18	°C		VALUE --		--
i. pH	8.26	--	7.83	--			35	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'		3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		30.11	128645	--	--	--	--	1	mg/L	kg/d	29.62	--	1
b. Chlorine, Total Residual	X		< 0.1	< 427.251	--	--	< 0.1	< 427.2508	35	mg/L	kg/d	--	--	--
c. Color	X		10	42725.1	--	--	--	--	1	PCU	--	7	--	1
d. Enterococci	X		56.1	--	--	--	--	--	1	MPN/100 mL	--	58.6	--	1
e. Fluoride (16984-48-8)	X		0.296	1264.66	--	--	--	--	1	mg/L	kg/d	0.345	--	1
f. Nitrate - Nitrite *(as N)*	X		0.26	1110.85	--	--	--	--	1	mg/L	kg/d	0.14	--	1

ITEM V-B CONTINUED

OUTFALL NO. 001

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'		3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic *(as N)*	X		< 0.27	< 1153.58	--	--	--	--	1	mg/L	kg/d	< 0.27	--	1
h. Oil & Grease	X		< 5	< 21362.5	--	--	--	--	1	mg/L	kg/d	< 5	--	1
i. Phosphorus (as P), Total (7723-14-0)	X		0.13	555			0.06	190	35	mg/L	kg/d	--	--	--
j. Radioactivity														
(1) Alpha	X		2.63	11236.7	--	--	--	--	1	pCi/L	--	< 2.11	--	1
(2) Beta	X		9.7	41443.3	--	--	--	--	1	pCi/L	--	106	--	1
(3) Radium, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate *(as SO_4)* (14808-79-8)	X		1028.1	4E+06	--	--	--	--	1	mg/L	kg/d	1077.05	--	1
l. Sulfide *(as S)*	X		< 0.05	< 213.625	--	--	--	--	1	mg/L	kg/d	< 0.05	--	1
m. Sulfite (as SO_3) (14265-45-3)		X	--	--	--	--	--	--	0	mg/L	kg/d	--	--	--
n. Surfactants	X		0.036	153.81	--	--	--	--	1	mg/L	kg/d	0.41	--	1
o. Aluminum, Total (7429-90-5)	X		< 0.09	< 384.526	--	--	--	--	1	mg/L	kg/d	< 0.09	--	1
p. Barium Total (7440-39-3)	X		0.021	89.7227	--	--	--	--	1	mg/L	kg/d	0.043	--	1
q. Boron, Total (7440-42-8)	X		1.52	6494.21	--	--	--	--	1	mg/L	kg/d	1.68	--	1
r. Cobalt, Total (7440-48-4)	X		< 0.0006	< 2.5635	--	--	--	--	1	mg/L	kg/d	< 0.0006	--	1
s. Iron, Total (7439-89-6)	X		0.35	1495.38	--	--	--	--	1	mg/L	kg/d	0.27	--	1
t. Magnesium, Total (7439-95-4)	X		513	2191797	--	--	--	--	1	mg/L	kg/d	545	--	1
u. Molybdenum, Total (7439-98-7)	X		0.008	34.1801	--	--	--	--	1	mg/L	kg/d	0.004	--	1
v. Manganese, Total (7439-96-5)	X		0.08	341.801	--	--	--	--	1	mg/L	kg/d	0.09	--	1
w. Tin, Total (7440-31-5)	X		< 0.005	< 21.3625	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
x. Titanium, Total (7440-32-6)	X		< 0.002	< 8.54502	--	--	--	--	1	mg/L	kg/d	< 0.002	--	1

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000342371	OUTFALL NO. 001

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVG. VALUE *(if available)* (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS														
1M. Antimony, Total (7440-36-0)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
2M. Arsenic, Total (7440-38-2	X			< 0.003	< 12.817524	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
3M. Beryllium, Total (7440-41-7)	X			< 0.0002	< 0.8545016	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
4M. Cadmium, Total (7440-43-9)	X			0.0032	13.6720256	--	--	--	--	1	mg/L	kg/d	0.002	--	1
5M. Chromium, Total (7440-47-3)	X			0.002	8.545016	--	--	--	--	1	mg/L	kg/d	0.003	--	1
6M. Copper, Total (7440-50-8)	X			0.002	8.545016	--	--	--	--	1	mg/L	kg/d	0.004	--	1
7M. Lead, Total (7439-92-1)	X			0.004	17.090032	--	--	--	--	1	mg/L	kg/d	0.004	--	1
8M. Mercury, Total (7439-97-6)	X			< 0.0002	< 0.8545016	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
9M. Nickel, Total (7440-02-0)	X			0.013	55.542604	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
10M. Selenium, Total (7782-49-2)	X			< 0.003	< 12.817524	--	--	--	--	1	mg/L	kg/d	0.004	--	1
11M. Silver, Total (7440-22-4	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
12M. Thallium, Total (7440-28-0)	X			0.0095	40.588826	--	--	--	--	1	mg/L	kg/d	0.01	--	1
13M. Zinc, Total (7440-66-6)	X			0.028	119.630224	--	--	--	--	1	mg/L	kg/d	0.033	--	1
14M. Cyanide, Total (57-12-5)	X			< 0.01	< 42.72508	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
15M. Phenols, Total	X			< 0.01	< 42.72508	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			X	DESCRIBE RESULTS No Sample											

OUTFALL NO. 001

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			< 0.01	< 42.72508	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
2V. Acrylonitrile (107-13-1)	X			< 0.0015	< 6.408762	--	--	--	--	1	mg/L	kg/d	< 0.0015	--	1
3V. Benzene (71-43-2)	X			< 0.0044	< 18.79904	--	--	--	--	1	mg/L	kg/d	< 0.0044	--	1
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required		Not Required		Not Required		0					
5V. Bromoform (75-25-2)	X			< 0.0047	< 20.08079	--	--	--	--	1	mg/L	kg/d	< 0.0047	--	1
6V. Carbon Tetrachloride (56-23-5)	X			< 0.0028	< 11.96302	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
7V. Chlorobenzene (108-90-7)	X			< 0.006	< 25.63505	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
8V. Chlorodibromomethane (124-48-1)	X			< 0.0031	< 13.24477	--	--	--	--	1	mg/L	kg/d	< 0.0031	--	1
9V. Chloroethane (75-00-3)	X			< 0.0011	< 4.699759	--	--	--	--	1	mg/L	kg/d	< 0.0011	--	1
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			< 0.0012	< 5.12701	--	--	--	--	1	mg/L	kg/d	< 0.0012	--	1
11V. Chloroform (67-66-3)	X			< 0.0016	< 6.836013	--	--	--	--	1	mg/L	kg/d	< 0.0016	--	1
12V. Dichlorobromomethane (75-27-4)	X			< 0.0022	< 9.399518	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
13V. Dichlorodifluoromethane (75-71-8)				Not Required		Not Required		Not Required		0					
14V. 1,1-Dichloroethane (75-34-3)	X			< 0.0047	< 20.08079	--	--	--	--	1	mg/L	kg/d	< 0.0047	--	1
15V. 1,2-Dichloroethane (107-06-2)	X			< 0.0028	< 11.96302	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
16V. 1,1-Dichloroethylene (75-35-4)	X			< 0.0028	< 11.96302	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
17V. 1,2-Dichloropropane (78-87-5)	X			< 0.006	< 25.63505	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
18V. 1,3-Dichloropropylene (542-75-6)	X			< 0.0059	< 25.2078	--	--	--	--	1	mg/L	kg/d	< 0.0059	--	1
19V. Ethylbenzene (100-41-4)	X			< 0.0072	< 30.76206	--	--	--	--	1	mg/L	kg/d	< 0.0072	--	1
20V. Methyl Bromide (74-83-9)	X			< 0.0014	< 5.981511	--	--	--	--	1	mg/L	kg/d	< 0.0014	--	1
21V. Methyl Chloride (74-87-3)	X			< 0.0018	< 7.690514	--	--	--	--	1	mg/L	kg/d	< 0.0011	--	1

CONTINUED FROM PAGE V-4

OUTFALL NO. 001

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)	X			< 0.0028	< 11.963022	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 0.0069	< 29.480305	--	--	--	--	1	mg/L	kg/d	< 0.0069	--	1
24V. Tetrachloroethylene (127-18-4)	X			< 0.0041	< 17.517283	--	--	--	--	1	mg/L	kg/d	< 0.0041	--	1
25V. Toluene (108-88-3)	X			< 0.006	< 25.635048	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 0.0016	< 6.8360128	--	--	--	--	1	mg/L	kg/d	< 0.0016	--	1
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 0.0038	< 16.23553	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 0.005	< 21.36254	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
29V Trichloroethylene (79-01-6)	X			< 0.0019	< 8.1177652	--	--	--	--	1	mg/L	kg/d	< 0.0019	--	1
30V. Trichlorofluoromethane (75-69-4)	X			< 0.0023	< 9.8267684	--	--	--	--	1	mg/L	kg/d	< 0.0023	--	1
31V. Vinyl Chloride (75-01-4)	X			< 0.0018	< 7.6905144	--	--	--	--	1	mg/L	kg/d	< 0.0018	--	1
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 0.0033	< 14.099276	--	--	--	--	1	mg/L	kg/d	< 0.0033	--	1
2A. 2,4-Dichlorophenol (120-83-2)	X			< 0.0056	< 23.926045	--	--	--	--	1	mg/L	kg/d	< 0.0056	--	1
3A. 2,4-Dimethylphenol (105-67-9)	X			< 0.0052	< 22.217042	--	--	--	--	1	mg/L	kg/d	< 0.0052	--	1
4A. 4,6-Dinitro-OCresol (534-52-1)	X			< 0.024	< 102.54019	--	--	--	--	1	mg/L	kg/d	< 0.024	--	1
5A. 2,4-Dinitrophenol (51-28-5)	X			< 0.042	< 179.44534	--	--	--	--	1	mg/L	kg/d	< 0.042	--	1
6A. 2-Nitrophenol (88-75-5)	X			< 0.0036	< 15.381029	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1
7A. 4-Nitrophenol (100-02-7)	X			< 0.0024	< 10.254019	--	--	--	--	1	mg/L	kg/d	< 0.0024	--	1
8A. P-Chloro-MCresol (59-50-7)	X			< 0.0075	< 32.04381	--	--	--	--	1	mg/L	kg/d	< 0.0075	--	1
9A. Pentachlorophenol (87-86-5	X			< 0.0036	< 15.381029	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1
10A. Phenol (108-95-2)	X			< 0.0027	< 11.535772	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1
11A. 2,4,6-Trichlorophenol (88-05-2)	X			< 0.0027	< 11.535772	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1

CONTINUED FROM PAGE V-5

OUTFALL NO. 001

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			< 0.003	< 12.8175	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
2B. Acenaphtylene (208-96-8)	X			< 0.0035	< 14.9538	--	--	--	--	1	mg/L	kg/d	< 0.0035	--	1
3B. Anthracene (120-12-7)	X			< 0.0019	< 8.11777	--	--	--	--	1	mg/L	kg/d	< 0.0019	--	1
4B. Benzidine (92-87-5)	X			< 0.063	< 269.168	--	--	--	--	1	mg/L	kg/d	< 0.063	--	1
5B. Benzo (a) Anthracene (56-55-3)	X			< 0.0078	< 33.3256	--	--	--	--	1	mg/L	kg/d	< 0.0078	--	1
6B. Benzo (a) Pyrene (50-32-8)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
7B. 3,4-Benzofluoranthene (205-99-2)	X			< 0.0048	< 20.508	--	--	--	--	1	mg/L	kg/d	< 0.0048	--	1
8B. Benzo (ghi) Perylene (191-24-2)	X			< 0.0041	< 17.5173	--	--	--	--	1	mg/L	kg/d	< 0.0041	--	1
9B. Benzo (k) Fluoranthene (207-08-9)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			< 0.0053	< 22.6443	--	--	--	--	1	mg/L	kg/d	< 0.0053	--	1
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			< 0.0057	< 24.3533	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X			< 0.0057	< 24.3533	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
14B. 4-BromophenylPhenyl Ether (101-55-3)	X			< 0.003	< 12.8175	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
16B. 2-Chloronaphthalene (91-58-7)	X			< 0.0046	< 19.6535	--	--	--	--	1	mg/L	kg/d	< 0.0046	--	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			< 0.0042	< 17.9445	--	--	--	--	1	mg/L	kg/d	< 0.0042	--	1
18B. Chrysene (218-01-9)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			< 0.0025	< 10.6813	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
20B. 1,2-Dichlorobenzene (95-50-1)	X			< 0.005	< 21.3625	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
21B. 1,3-Di-chlorobenzene (541-73-1)	X			< 0.005	< 21.3625	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1

CONTINUED FROM PAGE V-6

OUTFALL NO. 001

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			< 0.005	< 21.36254	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
23B. 3,3-Dichlorobenzidine (91-94-1)	X			< 0.0165	< 70.49638	--	--	--	--	1	mg/L	kg/d	< 0.0165	--	1
24B. Diethyl Phthalate (84-66-2)	X			< 0.0074	< 31.61656	--	--	--	--	1	mg/L	kg/d	< 0.0074	--	1
25B. Dimethyl Phthalate (131-11-3)	X			< 0.0075	< 32.04381	--	--	--	--	1	mg/L	kg/d	< 0.0075	--	1
26B. Di-N-Butyl Phthalate (84-74-2)	X			< 0.0064	< 27.34405	--	--	--	--	1	mg/L	kg/d	< 0.0064	--	1
27B. 2,4-Dinitrotoluene (121-14-2)	X			< 0.0057	< 24.3533	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
28B. 2,6-Dinitrotoluene (606-20-2)	X			< 0.0034	< 14.52653	--	--	--	--	1	mg/L	kg/d	< 0.0034	--	1
29B. Di-N-Octyl Phthalate (117-84-0)	X			< 0.0025	< 10.68127	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)	X			< 0.0088	< 37.59807	--	--	--	--	1	mg/L	kg/d	< 0.0088	--	1
31B. Fluoranthene (206-44-0)	X			< 0.0022	< 9.399518	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
32B. Fluorene (86-73-7)	X			< 0.0022	< 9.399518	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
33B. Hexachlorobenzene (118-74-1)	X			< 0.0031	< 13.24477	--	--	--	--	1	mg/L	kg/d	< 0.0031	--	1
34B. Hexachlorobutadiene (87-68-3)	X			< 0.0018	< 7.690514	--	--	--	--	1	mg/L	kg/d	< 0.0018	--	1
35B. Hexachlorocyclopentadiene (77-47-4)	X			< 0.01	< 42.72508	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
36B Hexachloroethane (67-72-1)	X			< 0.0024	< 10.25402	--	--	--	--	1	mg/L	kg/d	< 0.0024	--	1
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	X			< 0.0037	< 15.80828	--	--	--	--	1	mg/L	kg/d	< 0.0037	--	1
38B. Isophorone (78-59-1)	X			< 0.0051	< 21.78979	--	--	--	--	1	mg/L	kg/d	< 0.0051	--	1
39B. Naphthalene (91-20-3)	X			< 0.0038	< 16.23553	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
40B. Nitrobenzene (98-95-3)	X			< 0.0042	< 17.94453	--	--	--	--	1	mg/L	kg/d	< 0.0042	--	1
41B. N-Nitrosodimethylamine (62-75-9)	X			< 0.0062	< 26.48955	--	--	--	--	1	mg/L	kg/d	< 0.0062	--	1
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			< 0.0036	< 15.38103	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1

OUTFALL NO. 001

1. Pollutant and CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT									5. INTAKE (optional)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVG. VALUE (if available) (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			< 0.0027	< 11.535772	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1
44B. Phenanthrene (85-01-8)	X			< 0.0054	< 23.071543	--	--	--	--	1	mg/L	kg/d	< 0.0054	--	1
45B. Pyrene (129-00-0	X			< 0.0038	< 16.23553	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			< 0.0079	< 33.752813	--	--	--	--	1	mg/L	kg/d	< 0.0079	--	1
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			< 0.00005	< 0.2136254	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
2P. α-BHC (319-84-6)	X			< 0.00005	< 0.2136254	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
3P. β-BHC (319-85-7)	X			< 0.00005	< 0.2136254	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
4P. γ-BHC (58-89-9)	X			< 0.00005	< 0.2136254	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
5P. δ-BHC (319-86-8)	X			< 0.00005	< 0.2136254	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
6P. Chlordane (57-74-9)	X			< 0.0002	< 0.8545016	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
7P. 4,4'-DDT (50-29-3)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
8P. 4,4'-DDE (72-55-9)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
9P. 4,4'-DDD (72-54-8)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
10P. Dieldrin (60-57-1)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
11P. α-Enosulfan (115-29-7)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
12P. β-Endosulfan (115-29-7)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
13P. Endosulfan Sulfate (1031-07-8)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
14P. Endrin (72-20-8	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
Aldehyde (7421-93-4)	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
16P. Heptachlor (76-44-8	X			< 0.0001	< 0.4272508	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000342371	OUTFALL NO. 001

CONTINUED FROM PAGE V-8

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)	X			< 0.0001	< 0.427251	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
18P. PCB-1242 (53469-21-9)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
19P. PCB-1254 (11097-69-1)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
20P. PCB-1221 (11104-28-2)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
21P. PCB-1232 (11131-16-5)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
22P. PCB-1248 (12672-29-6)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
23P. PCB-1260 (11096-82-5)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
24P. PCB-1016 (12674-11-2)	X			< 0.001	< 4.272508	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
25P. Toxaphene (8001-35-2)	X			< 0.005	< 21.36254	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000342371

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 002

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT							3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	4	12644.9	--	--	--	--	1	mg/L	kg/d	< 3	--	1
b. Chemical Oxygen Demand *(COD)*	115.26	364364	--	--	--	--	1	mg/L	kg/d	112.21	--	1
c. Total Organic Carbon *(TOC)*	6.4	20231.9	--	--	--	--	1	mg/L	kg/d	5.7	--	1
d. Total Suspended Solids *(TSS)*	9.4	29715.6	--	--	--	--	1	mg/L	kg/d	9.3	--	1
e. Ammonia *(as N)*	0.03	94.837	--	--	--	--	1	mg/L	kg/d	0.02	--	1
f. Flow	VALUE 835.2		VALUE 475.7		VALUE 284.3		35	MGD	--	VALUE --		-- --
g. Temperature (*winter*)	VALUE 18.2		VALUE --		VALUE 14		18	°C		VALUE --		--
h. Temperature (*summer*)	VALUE 32.4		VALUE --		VALUE 28.9		18	°C		VALUE --		--
i. pH	8.26	--	7.83	--	[redacted]		35	STANDARD UNITS		[redacted]		

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. (*If available*)	2.MARK 'X'		3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		30.11	95184.7	--	--	--	--	1	mg/L	kg/d	29.62	--	1
b. Chlorine, Total Residual	X		< 0.1	< 316.123	--	--	< 0.1	< 316.1232	35	mg/L	kg/d	--	--	--
c. Color	X		10	31612.3	--	--	--	--	1	PCU	--	7	--	1
d. Enterococci	X		102.4	--	--	--	--	--	1	MPN/100 mL	--	58.6	--	1
e. Fluoride (16984-48-8)	X		0.296	935.725	--	--	--	--	1	mg/L	kg/d	0.345	--	1
f. Nitrate - Nitrite *(as N)*	X		0.26	821.92	--	--	--	--	1	mg/L	kg/d	0.14	--	1

ITEM V-B CONTINUED

OUTFALL NO. 002

1. Pollutant and CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic *(as N)*	X		< 0.27	< 853.533	--	--	--	--	1	mg/L	kg/d	< 0.27	--	1
h. Oil & Grease	X		< 5	< 15806.2	--	--	--	--	1	mg/L	kg/d	< 5	--	1
i. Phosphorus (as P), Total (7723-14-0)	X		0.13	411			0.06	190	35	mg/L	kg/d	--	--	--
j. Radioactivity														
(1) Alpha	X		2.63	8314.04	--	--	--	--	1	pCi/L	--	< 2.11	--	1
(2) Beta	X		9.7	30664	--	--	--	--	1	pCi/L	--	106	--	1
(3) Radium, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate *(as SO_4)* (14808-79-8)	X		1028.1	3E+06	--	--	--	--	1	mg/L	kg/d	1077.05	--	1
l. Sulfide *(as S)*	X		< 0.05	< 158.062	--	--	--	--	1	mg/L	kg/d	< 0.05	--	1
m. Sulfite (as SO_3) (14265-45-3)		X	--	--	--	--	--	--	0	mg/L	kg/d	--	--	--
n. Surfactants	X		0.036	113.804	--	--	--	--	1	mg/L	kg/d	0.41	--	1
o. Aluminum, Total (7429-90-5)	X		< 0.09	< 284.511	--	--	--	--	1	mg/L	kg/d	< 0.09	--	1
p. Barium Total (7440-39-3)	X		0.021	66.3859	--	--	--	--	1	mg/L	kg/d	0.043	--	1
q. Boron, Total (7440-42-8)	X		1.52	4805.07	--	--	--	--	1	mg/L	kg/d	1.68	--	1
r. Cobalt, Total (7440-48-4)	X		< 0.0006	< 1.89674	--	--	--	--	1	mg/L	kg/d	< 0.0006	--	1
s. Iron, Total (7439-89-6)	X		0.35	1106.43	--	--	--	--	1	mg/L	kg/d	0.27	--	1
t. Magnesium, Total (7439-95-4)	X		513	1621712	--	--	--	--	1	mg/L	kg/d	545	--	1
u. Molybdenum, Total (7439-98-7)	X		0.008	25.2899	--	--	--	--	1	mg/L	kg/d	0.004	--	1
v. Manganese, Total (7439-96-5)	X		0.08	252.899	--	--	--	--	1	mg/L	kg/d	0.09	--	1
w. Tin, Total (7440-31-5)	X		< 0.005	< 15.8062	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
x. Titanium, Total (7440-32-6)	X		< 0.002	< 6.32246	--	--	--	--	1	mg/L	kg/d	< 0.002	--	1

EPA I.D. NUMBER (copy from Item 1 of Form 1)	110000342371	OUTFALL NO. 002

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
2M. Arsenic, Total (7440-38-2	X			< 0.003	< 9.483696	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
3M. Beryllium, Total (7440-41-7)	X			< 0.0002	< 0.6322464	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
4M. Cadmium, Total (7440-43-9)	X			0.0032	10.1159424	--	--	--	--	1	mg/L	kg/d	0.002	--	1
5M. Chromium, Total (7440-47-3)	X			0.002	6.322464	--	--	--	--	1	mg/L	kg/d	0.003	--	1
6M. Copper, Total (7440-50-8)	X			0.002	6.322464	--	--	--	--	1	mg/L	kg/d	0.004	--	1
7M. Lead, Total (7439-92-1)	X			0.004	12.644928	--	--	--	--	1	mg/L	kg/d	0.004	--	1
8M. Mercury, Total (7439-97-6)	X			< 0.0002	< 0.6322464	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
9M. Nickel, Total (7440-02-0)	X			0.013	41.096016	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
10M. Selenium, Total (7782-49-2)	X			< 0.003	< 9.483696	--	--	--	--	1	mg/L	kg/d	0.004	--	1
11M. Silver, Total (7440-22-4	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
12M. Thallium, Total (7440-28-0)	X			0.0095	30.031704	--	--	--	--	1	mg/L	kg/d	0.01	--	1
13M. Zinc, Total (7440-66-6)	X			0.028	88.514496	--	--	--	--	1	mg/L	kg/d	0.033	--	1
14M. Cyanide, Total (57-12-5)	X			< 0.01	< 31.61232	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
15M. Phenols, Total	X			< 0.01	< 31.61232	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			X	DESCRIBE RESULTS No Sample											

CONTINUED FROM PAGE V-3

OUTFALL NO. 002

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVG. VALUE *(if available)* (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			< 0.01	< 31.61232	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
2V. Acrylonitrile (107-13-1)	X			< 0.0015	< 4.741848	--	--	--	--	1	mg/L	kg/d	< 0.0015	--	1
3V. Benzene (71-43-2)	X			< 0.0044	< 13.90942	--	--	--	--	1	mg/L	kg/d	< 0.0044	--	1
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required		Not Required		Not Required		0					
5V. Bromoform (75-25-2)	X			< 0.0047	< 14.85779	--	--	--	--	1	mg/L	kg/d	< 0.0047	--	1
6V. Carbon Tetrachloride (56-23-5)	X			< 0.0028	< 8.85145	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
7V. Chlorobenzene (108-90-7)	X			< 0.006	< 18.96739	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
8V. Chlorodibromomethane (124-48-1)	X			< 0.0031	< 9.799819	--	--	--	--	1	mg/L	kg/d	< 0.0031	--	1
9V. Chloroethane (75-00-3)	X			< 0.0011	< 3.477355	--	--	--	--	1	mg/L	kg/d	< 0.0011	--	1
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			< 0.0012	< 3.793478	--	--	--	--	1	mg/L	kg/d	< 0.0012	--	1
11V. Chloroform (67-66-3)	X			< 0.0016	< 5.057971	--	--	--	--	1	mg/L	kg/d	< 0.0016	--	1
12V. Dichlorobromomethane (75-27-4)	X			< 0.0022	< 6.95471	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
13V. Dichlorodifluoromethane (75-71-8)				Not Required		Not Required		Not Required		0					
14V. 1,1-Dichloroethane (75-34-3)	X			< 0.0047	< 14.85779	--	--	--	--	1	mg/L	kg/d	< 0.0047	--	1
15V. 1,2-Dichloroethane (107-06-2)	X			< 0.0028	< 8.85145	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
16V. 1,1-Dichloroethylene (75-35-4)	X			< 0.0028	< 8.85145	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
17V. 1,2-Dichloropropane (78-87-5)	X			< 0.006	< 18.96739	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
18V. 1,3-Dichloropropylene (542-75-6)	X			< 0.0059	< 18.65127	--	--	--	--	1	mg/L	kg/d	< 0.0059	--	1
19V. Ethylbenzene (100-41-4)	X			< 0.0072	< 22.76087	--	--	--	--	1	mg/L	kg/d	< 0.0072	--	1
20V. Methyl Bromide (74-83-9)	X			< 0.0014	< 4.425725	--	--	--	--	1	mg/L	kg/d	< 0.0014	--	1
21V. Methyl Chloride (74-87-3)	X			< 0.0018	< 5.690218	--	--	--	--	1	mg/L	kg/d	< 0.0011	--	1

CONTINUED FROM PAGE V-4

OUTFALL NO. 002

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT						4. UNITS (*specify if blank*)			5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)	X			< 0.0028	< 8.8514496	--	--	--	--	1	mg/L	kg/d	< 0.0028	--	1
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 0.0069	< 21.812501	--	--	--	--	1	mg/L	kg/d	< 0.0069	--	1
24V. Tetrachloroethylene (127-18-4)	X			< 0.0041	< 12.961051	--	--	--	--	1	mg/L	kg/d	< 0.0041	--	1
25V. Toluene (108-88-3)	X			< 0.006	< 18.967392	--	--	--	--	1	mg/L	kg/d	< 0.006	--	1
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 0.0016	< 5.0579712	--	--	--	--	1	mg/L	kg/d	< 0.0016	--	1
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 0.0038	< 12.012682	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 0.005	< 15.80616	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
29V Trichloroethylene (79-01-6)	X			< 0.0019	< 6.0063408	--	--	--	--	1	mg/L	kg/d	< 0.0019	--	1
30V. Trichlorofluoromethane (75-69-4)	X			< 0.0023	< 7.2708336	--	--	--	--	1	mg/L	kg/d	< 0.0023	--	1
31V. Vinyl Chloride (75-01-4)	X			< 0.0018	< 5.6902176	--	--	--	--	1	mg/L	kg/d	< 0.0018	--	1
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 0.0033	< 10.432066	--	--	--	--	1	mg/L	kg/d	< 0.0033	--	1
2A. 2,4-Dichlorophenol (120-83-2)	X			< 0.0056	< 17.702899	--	--	--	--	1	mg/L	kg/d	< 0.0056	--	1
3A. 2,4-Dimethylphenol (105-67-9)	X			< 0.0052	< 16.438406	--	--	--	--	1	mg/L	kg/d	< 0.0052	--	1
4A. 4,6-Dinitro-OCresol (534-52-1)	X			< 0.024	< 75.869568	--	--	--	--	1	mg/L	kg/d	< 0.024	--	1
5A. 2,4-Dinitrophenol (51-28-5)	X			< 0.042	< 132.77174	--	--	--	--	1	mg/L	kg/d	< 0.042	--	1
6A. 2-Nitrophenol (88-75-5)	X			< 0.0036	< 11.380435	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1
7A. 4-Nitrophenol (100-02-7)	X			< 0.0024	< 7.5869568	--	--	--	--	1	mg/L	kg/d	< 0.0024	--	1
8A. P-Chloro-MCresol (59-50-7)	X			< 0.0075	< 23.70924	--	--	--	--	1	mg/L	kg/d	< 0.0075	--	1
9A. Pentachlorophenol (87-86-5	X			< 0.0036	< 11.380435	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1
10A. Phenol (108-95-2)	X			< 0.0027	< 8.5353264	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1
11A. 2,4,6-Trichlorophenol (88-05-2)	X			< 0.0027	< 8.5353264	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1

CONTINUED FROM PAGE V-5

OUTFALL NO. 002

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			< 0.003	< 9.4837	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
2B. Acenaphtylene (208-96-8)	X			< 0.0035	< 11.0643	--	--	--	--	1	mg/L	kg/d	< 0.0035	--	1
3B. Anthracene (120-12-7)	X			< 0.0019	< 6.00634	--	--	--	--	1	mg/L	kg/d	< 0.0019	--	1
4B. Benzidine (92-87-5)	X			< 0.063	< 199.158	--	--	--	--	1	mg/L	kg/d	< 0.063	--	1
5B. Benzo (a) Anthracene (56-55-3)	X			< 0.0078	< 24.6576	--	--	--	--	1	mg/L	kg/d	< 0.0078	--	1
6B. Benzo (a) Pyrene (50-32-8)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
7B. 3,4-Benzofluoranthene (205-99-2)	X			< 0.0048	< 15.1739	--	--	--	--	1	mg/L	kg/d	< 0.0048	--	1
8B. Benzo (ghi) Perylene (191-24-2)	X			< 0.0041	< 12.9611	--	--	--	--	1	mg/L	kg/d	< 0.0041	--	1
9B. Benzo (k) Fluoranthene (207-08-9)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			< 0.0053	< 16.7545	--	--	--	--	1	mg/L	kg/d	< 0.0053	--	1
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			< 0.0057	< 18.019	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X			< 0.0057	< 18.019	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
14B. 4-BromophenylPhenyl Ether (101-55-3)	X			< 0.003	< 9.4837	--	--	--	--	1	mg/L	kg/d	< 0.003	--	1
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
16B. 2-Chloronaphthalene (91-58-7)	X			< 0.0046	< 14.5417	--	--	--	--	1	mg/L	kg/d	< 0.0046	--	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			< 0.0042	< 13.2772	--	--	--	--	1	mg/L	kg/d	< 0.0042	--	1
18B. Chrysene (218-01-9)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
20B. 1,2-Dichlorobenzene (95-50-1)	X			< 0.005	< 15.8062	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
21B. 1,3-Di-chlorobenzene (541-73-1)	X			< 0.005	< 15.8062	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1

CONTINUED FROM PAGE V-6

OUTFALL NO. 002

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			< 0.005	< 15.80616	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
23B. 3,3-Dichlorobenzidine (91-94-1)	X			< 0.0165	< 52.16033	--	--	--	--	1	mg/L	kg/d	< 0.0165	--	1
24B. Diethyl Phthalate (84-66-2)	X			< 0.0074	< 23.39312	--	--	--	--	1	mg/L	kg/d	< 0.0074	--	1
25B. Dimethyl Phthalate (131-11-3)	X			< 0.0075	< 23.70924	--	--	--	--	1	mg/L	kg/d	< 0.0075	--	1
26B. Di-N-Butyl Phthalate (84-74-2)	X			< 0.0064	< 20.23188	--	--	--	--	1	mg/L	kg/d	< 0.0064	--	1
27B. 2,4-Dinitrotoluene (121-14-2)	X			< 0.0057	< 18.01902	--	--	--	--	1	mg/L	kg/d	< 0.0057	--	1
28B. 2,6-Dinitrotoluene (606-20-2)	X			< 0.0034	< 10.74819	--	--	--	--	1	mg/L	kg/d	< 0.0034	--	1
29B. Di-N-Octyl Phthalate (117-84-0)	X			< 0.0025	< 7.90308	--	--	--	--	1	mg/L	kg/d	< 0.0025	--	1
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)	X			< 0.0088	< 27.81884	--	--	--	--	1	mg/L	kg/d	< 0.0088	--	1
31B. Fluoranthene (206-44-0)	X			< 0.0022	< 6.95471	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
32B. Fluorene (86-73-7)	X			< 0.0022	< 6.95471	--	--	--	--	1	mg/L	kg/d	< 0.0022	--	1
33B. Hexachlorobenzene (118-74-1)	X			< 0.0031	< 9.799819	--	--	--	--	1	mg/L	kg/d	< 0.0031	--	1
34B. Hexachlorobutadiene (87-68-3)	X			< 0.0018	< 5.690218	--	--	--	--	1	mg/L	kg/d	< 0.0018	--	1
35B. Hexachlorocyclopentadiene (77-47-4)	X			< 0.01	< 31.61232	--	--	--	--	1	mg/L	kg/d	< 0.01	--	1
36B Hexachloroethane (67-72-1)	X			< 0.0024	< 7.586957	--	--	--	--	1	mg/L	kg/d	< 0.0024	--	1
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	X			< 0.0037	< 11.69656	--	--	--	--	1	mg/L	kg/d	< 0.0037	--	1
38B. Isophorone (78-59-1)	X			< 0.0051	< 16.12228	--	--	--	--	1	mg/L	kg/d	< 0.0051	--	1
39B. Naphthalene (91-20-3)	X			< 0.0038	< 12.01268	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
40B. Nitrobenzene (98-95-3)	X			< 0.0042	< 13.27717	--	--	--	--	1	mg/L	kg/d	< 0.0042	--	1
41B. N-Nitrosodimethylamine (62-75-9)	X			< 0.0062	< 19.59964	--	--	--	--	1	mg/L	kg/d	< 0.0062	--	1
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			< 0.0036	< 11.38044	--	--	--	--	1	mg/L	kg/d	< 0.0036	--	1

OUTFALL NO. 002

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT									5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			< 0.0027	< 8.5353264	--	--	--	--	1	mg/L	kg/d	< 0.0027	--	1
44B. Phenanthrene (85-01-8)	X			< 0.0054	< 17.070653	--	--	--	--	1	mg/L	kg/d	< 0.0054	--	1
45B. Pyrene (129-00-0	X			< 0.0038	< 12.012682	--	--	--	--	1	mg/L	kg/d	< 0.0038	--	1
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			< 0.0079	< 24.973733	--	--	--	--	1	mg/L	kg/d	< 0.0079	--	1
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			< 0.00005	< 0.1580616	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
2P. α-BHC (319-84-6)	X			< 0.00005	< 0.1580616	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
3P. β-BHC (319-85-7)	X			< 0.00005	< 0.1580616	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
4P. γ-BHC (58-89-9)	X			< 0.00005	< 0.1580616	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
5P. δ-BHC (319-86-8)	X			< 0.00005	< 0.1580616	--	--	--	--	1	mg/L	kg/d	< 0.00005	--	1
6P. Chlordane (57-74-9)	X			< 0.0002	< 0.6322464	--	--	--	--	1	mg/L	kg/d	< 0.0002	--	1
7P. 4,4'-DDT (50-29-3)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
8P. 4,4'-DDE (72-55-9)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
9P. 4,4'-DDD (72-54-8)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
10P. Dieldrin (60-57-1)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
11P. α-Enosulfan (115-29-7)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
12P. β-Endosulfan (115-29-7)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
13P. Endosulfan Sulfate (1031-07-8)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
14P. Endrin (72-20-8	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
Aldehyde (7421-93-4)	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
16P. Heptachlor (76-44-8	X			< 0.0001	< 0.3161232	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000342371	OUTFALL NO. 002

CONTINUED FROM PAGE V-8

1. Pollutant and CAS NO. (*If available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)	X			< 0.0001	< 0.316123	--	--	--	--	1	mg/L	kg/d	< 0.0001	--	1
18P. PCB-1242 (53469-21-9)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.005	--	1
19P. PCB-1254 (11097-69-1)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
20P. PCB-1221 (11104-28-2)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
21P. PCB-1232 (11131-16-5)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
22P. PCB-1248 (12672-29-6)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
23P. PCB-1260 (11096-82-5)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
24P. PCB-1016 (12674-11-2)	X			< 0.001	< 3.161232	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1
25P. Toxaphene (8001-35-2)	X			< 0.005	< 15.80616	--	--	--	--	1	mg/L	kg/d	< 0.001	--	1

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
110000342371

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 003

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. EFFLUENT						d. No. OF ANALYSES	3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biological Oxygen Demand *(BOD)*	< 3	<81	--	--	--	--	1	mg/L	kg/d	--	--	--
b. Chemical Oxygen Demand *(COD)*	28.89	778.562	--	--	--	--	1	mg/L	kg/d	--	--	--
c. Total Organic Carbon *(TOC)*	9.6	258.712	--	--	--	--	1	mg/L	kg/d	--	--	--
d. Total Suspended Solids *(TSS)*	51.6	1390.58	--	--	9.6	258.71232	33	mg/L	kg/d	--	--	--
e. Ammonia *(as N)*	0.03	0.80848	--	--	--	--	1	mg/L	kg/d	--	--	--
f. Flow	VALUE 7.12		VALUE --		VALUE 1.472		33	MGD	--	VALUE --		-- --
g. Temperature (*winter*)	VALUE 18.3		VALUE		VALUE 12.1		9	°C		VALUE		--
h. Temperature (*summer*)	VALUE 29.3		VALUE		VALUE 26		7	°C		VALUE		--
i. pH	8.6	--	7.6	--			33	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'		3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		< 0.01	< 0.26949	--	--	--	--	1	mg/L	kg/d	--	--	--
b. Chlorine, Total Residual	X		< 0.01	< 0.26949	--	--	--	--	1	mg/L	kg/d	--	--	--
c. Color	X		16	431.187	--	--	--	--	1	PCU	--	--	--	--
d. Enterococci	X		9.2	247.933	--	--	--	--	1	COL/100ml	--	--	--	--
e. Fluoride (16984-48-8)	X		0.144	3.88068	--	--	--	--	1	mg/L	kg/d	--	--	--
f. Nitrate - Nitrite *(as N)*	X		0.03	0.80848	--	--	--	--	1	mg/L	kg/d	--	--	--

ITEM V-B CONTINUED

OUTFALL NO. 003

1. Pollutant and CAS NO. (If available)	2. MARK 'X'		3. EFFLUENT							4. UNITS (specify if blank)		5. INTAKE (optional)		
	a. Believed Present	b. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION														
g. Nitrogen, Total Organic (as N)	X		0.34	9.16273	--	--	--	--	1	mg/L	kg/d	--	--	--
h. Oil & Grease	X		< 5	< 134.746	--	--	--	--	33	mg/L	kg/d	--	--	--
i. Phosphorus (as P), Total (7723-14-0)	X		0.13	4			0.056	177	7	mg/L	kg/d	--	--	--
j. Radioactivity														
(1) Alpha	X		5.03	135.554	--	--	--	--	1	pCi/L	--	--	--	--
(2) Beta	X		6	161.695	--	--	--	--	1	pCi/L	--	--	--	--
(3) Radium, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
(4) Radium 226, Total		X	--	--	--	--	--	--	0	pCi/L	--	--	--	--
k. Sulfate (as SO_4) (14808-79-8)	X		111.5	3E+03	--	--	--	--	1	mg/L	kg/d	--	--	--
l. Sulfide (as S)	X		< 0.05	< 1.34746	--	--	--	--	1	mg/L	kg/d	--	--	--
m. Sulfite (as SO_3) (14265-45-3)		X	--	--	--	--	--	--	0	mg/L	kg/d	--	--	--
n. Surfactants	X		< 0.01	< 0.26949	--	--	--	--	1	mg/L	kg/d	--	--	--
o. Aluminum, Total (7429-90-5)	X		< 0.09	< 2.42543	--	--	--	--	1	mg/L	kg/d	--	--	--
p. Barium Total (7440-39-3)	X		0.071	1.91339	--	--	--	--	1	mg/L	kg/d	--	--	--
q. Boron, Total (7440-42-8)	X		0.36	9.70171	--	--	--	--	1	mg/L	kg/d	--	--	--
r. Cobalt, Total (7440-48-4)	X		< 0.0006	< 0.01617	--	--	--	--	1	mg/L	kg/d	--	--	--
s. Iron, Total (7439-89-6)	X		0.42	11.3187	--	--	--	--	1	mg/L	kg/d	--	--	--
t. Magnesium, Total (7439-95-4)	X		5.7	153.61	--	--	--	--	1	mg/L	kg/d	--	--	--
u. Molybdenum, Total (7439-98-7)	X		0.024	0.64678	--	--	--	--	1	mg/L	kg/d	--	--	--
v. Manganese, Total (7439-96-5)	X		0.05	1.34746	--	--	--	--	1	mg/L	kg/d	--	--	--
w. Tin, Total (7440-31-5)	X		< 0.005	< 0.13475	--	--	--	--	1	mg/L	kg/d	--	--	--
x. Titanium, Total (7440-32-6)	X		< 0.002	< 0.0539	--	--	--	--	1	mg/L	kg/d	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000342371	OUTFALL NO. 003

CONTINUED FROM PAGE V-2

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements

Part C.

1. Pollutant and CAS NO. *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			0.002	0.0538984	--	--	--	--	1	mg/L	kg/d	--	--	--
2M. Arsenic, Total (7440-38-2	X			0.011	0.2964412	--	--	--	--	1	mg/L	kg/d	--	--	--
3M. Beryllium, Total (7440-41-7)	X			< 0.0002	< 0.00538984	--	--	--	--	1	mg/L	kg/d	--	--	--
4M. Cadmium, Total (7440-43-9)	X			< 0.003	< 0.0808476	--	--	--	--	1	mg/L	kg/d	--	--	--
5M. Chromium, Total (7440-47-3)	X			< 0.001	< 0.0269492	--	--	--	--	1	mg/L	kg/d	--	--	--
6M. Copper, Total (7440-50-8)	X			0.001	0.0269492	--	--	--	--	1	mg/L	kg/d	--	--	--
7M. Lead, Total (7439-92-1)	X			< 0.001	< 0.0269492	--	--	--	--	1	mg/L	kg/d	--	--	--
8M. Mercury, Total (7439-97-6)	X			< 0.0002	< 0.00538984	--	--	--	--	1	mg/L	kg/d	--	--	--
9M. Nickel, Total (7440-02-0)	X			< 0.005	< 0.134746	--	--	--	--	1	mg/L	kg/d	--	--	--
10M. Selenium, Total (7782-49-2)	X			0.003	0.0808476	--	--	--	--	1	mg/L	kg/d	--	--	--
11M. Silver, Total (7440-22-4	X			< 0.0001	< 0.00269492	--	--	--	--	1	mg/L	kg/d	--	--	--
12M. Thallium, Total (7440-28-0)	X			< 0.0002	< 0.00538984	--	--	--	--	1	mg/L	kg/d	--	--	--
13M. Zinc, Total (7440-66-6)	X			< 0.01	< 0.269492	--	--	--	--	1	mg/L	kg/d	--	--	--
14M. Cyanide, Total (57-12-5)	X			< 0.01	< 0.269492	--	--	--	--	1	mg/L	kg/d	--	--	--
15M. Phenols, Total	X			< 0.01	< 0.269492	--	--	--	--	1	mg/L	kg/d	--	--	--
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P Dioxin (1764-01-6)			X	DESCRIBE RESULTS	No Sample										

OUTFALL NO. 003

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT						d. No. OF ANALYSES	4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)			a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			< 0.01	< 0.269492	--	--	--	--	1	mg/L	kg/d	--	--	--
2V. Acrylonitrile (107-13-1)	X			< 0.0015	< 0.040424	--	--	--	--	1	mg/L	kg/d	--	--	--
3V. Benzene (71-43-2)	X			< 0.0044	< 0.118576	--	--	--	--	1	mg/L	kg/d	--	--	--
4V. Bis (Chloromethyl) Ether (542-88-1)				Not Required		Not Required		Not Required		0			--	--	--
5V. Bromoform (75-25-2)	X			< 0.0047	< 0.126661	--	--	--	--	1	mg/L	kg/d	--	--	--
6V. Carbon Tetrachloride (56-23-5)	X			< 0.0028	< 0.075458	--	--	--	--	1	mg/L	kg/d	--	--	--
7V. Chlorobenzene (108-90-7)	X			< 0.006	< 0.161695	--	--	--	--	1	mg/L	kg/d	--	--	--
8V. Chlorodibromomethane (124-48-1)	X			< 0.0031	< 0.083543	--	--	--	--	1	mg/L	kg/d	--	--	--
9V. Chloroethane (75-00-3)	X			< 0.0011	< 0.029644	--	--	--	--	1	mg/L	kg/d	--	--	--
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			< 0.0012	< 0.032339	--	--	--	--	1	mg/L	kg/d	--	--	--
11V. Chloroform (67-66-3)	X			< 0.0016	< 0.043119	--	--	--	--	1	mg/L	kg/d	--	--	--
12V. Dichlorobromomethane (75-27-4)	X			< 0.0022	< 0.059288	--	--	--	--	1	mg/L	kg/d	--	--	--
13V. Dichlorodifluoromethane (75-71-8)				Not Required		Not Required		Not Required		0			--	--	--
14V. 1,1-Dichloroethane (75-34-3)	X			< 0.0047	< 0.126661	--	--	--	--	1	mg/L	kg/d	--	--	--
15V. 1,2-Dichloroethane (107-06-2)	X			< 0.0028	< 0.075458	--	--	--	--	1	mg/L	kg/d	--	--	--
16V. 1,1-Dichloroethylene (75-35-4)	X			< 0.0028	< 0.075458	--	--	--	--	1	mg/L	kg/d	--	--	--
17V. 1,2-Dichloropropane (78-87-5)	X			< 0.006	< 0.161695	--	--	--	--	1	mg/L	kg/d	--	--	--
18V. 1,3-Dichloropropylene (542-75-6)	X			< 0.0059	< 0.159	--	--	--	--	1	mg/L	kg/d	--	--	--
19V. Ethylbenzene (100-41-4)	X			< 0.0072	< 0.194034	--	--	--	--	1	mg/L	kg/d	--	--	--
20V. Methyl Bromide (74-83-9)	X			< 0.0014	< 0.037729	--	--	--	--	1	mg/L	kg/d	--	--	--
21V. Methyl Chloride (74-87-3)	X			< 0.0011	< 0.029644	--	--	--	--	1	mg/L	kg/d	--	--	--

OUTFALL NO. 003

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE (1) CONCENTRATION	a. MAXIMUM DAY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVG. VALUE (*if available*) (2) MASS	d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE (1) CONCENTRATION	a. LONG TERM AVG. VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)	X			< 0.0028	< 0.0754578	--	--	--	--	1	mg/L	kg/d	--	--	--
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 0.0069	< 0.1859495	--	--	--	--	1	mg/L	kg/d	--	--	--
24V. Tetrachloroethylene (127-18-4)	X			< 0.0041	< 0.1104917	--	--	--	--	1	mg/L	kg/d	--	--	--
25V. Toluene (108-88-3)	X			< 0.006	< 0.1616952	--	--	--	--	1	mg/L	kg/d	--	--	--
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 0.0016	< 0.0431187	--	--	--	--	1	mg/L	kg/d	--	--	--
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 0.0038	< 0.102407	--	--	--	--	1	mg/L	kg/d	--	--	--
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 0.005	< 0.134746	--	--	--	--	1	mg/L	kg/d	--	--	--
29V Trichloroethylene (79-01-6)	X			< 0.0019	< 0.0512035	--	--	--	--	1	mg/L	kg/d	--	--	--
30V. Trichlorofluoromethane (75-69-4)	X			< 0.0023	< 0.0619832	--	--	--	--	1	mg/L	kg/d	--	--	--
31V. Vinyl Chloride (75-01-4)	X			< 0.0018	< 0.0485086	--	--	--	--	1	mg/L	kg/d	--	--	--
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 0.0033	< 0.0889324	--	--	--	--	1	mg/L	kg/d	--	--	--
2A. 2,4-Dichlorophenol (120-83-2)	X			< 0.0056	< 0.1509155	--	--	--	--	1	mg/L	kg/d	--	--	--
3A. 2,4-Dimethylphenol (105-67-9)	X			< 0.0052	< 0.1401358	--	--	--	--	1	mg/L	kg/d	--	--	--
4A. 4,6-Dinitro-OCresol (534-52-1)	X			< 0.024	< 0.6467808	--	--	--	--	1	mg/L	kg/d	--	--	--
5A. 2,4-Dinitrophenol (51-28-5)	X			< 0.042	< 1.1318664	--	--	--	--	1	mg/L	kg/d	--	--	--
6A. 2-Nitrophenol (88-75-5)	X			< 0.0036	< 0.0970171	--	--	--	--	1	mg/L	kg/d	--	--	--
7A. 4-Nitrophenol (100-02-7)	X			< 0.0024	< 0.0646781	--	--	--	--	1	mg/L	kg/d	--	--	--
8A. P-Chloro-MCresol (59-50-7)	X			< 0.0075	< 0.202119	--	--	--	--	1	mg/L	kg/d	--	--	--
9A. Pentachlorophenol (87-86-5	X			< 0.0036	< 0.0970171	--	--	--	--	1	mg/L	kg/d	--	--	--
10A. Phenol (108-95-2)	X			< 0.0027	< 0.0727628	--	--	--	--	1	mg/L	kg/d	--	--	--
11A. 2,4,6-Trichlorophenol (88-05-2)	X			< 0.0027	< 0.0727628	--	--	--	--	1	mg/L	kg/d	--	--	--

OUTFALL NO. 003

1. Pollutant and CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			< 0.003	< 0.08085	--	--	--	--	1	mg/L	kg/d	--	--	--
2B. Acenaphtylene (208-96-8)	X			< 0.0035	< 0.09432	--	--	--	--	1	mg/L	kg/d	--	--	--
3B. Anthracene (120-12-7)	X			< 0.0019	< 0.0512	--	--	--	--	1	mg/L	kg/d	--	--	--
4B. Benzidine (92-87-5)	X			< 0.063	< 1.6978	--	--	--	--	1	mg/L	kg/d	--	--	--
5B. Benzo (a) Anthracene (56-55-3)	X			< 0.0078	< 0.2102	--	--	--	--	1	mg/L	kg/d	--	--	--
6B. Benzo (a) Pyrene (50-32-8)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
7B. 3,4-Benzofluoranthene (205-99-2)	X			< 0.0048	< 0.12936	--	--	--	--	1	mg/L	kg/d	--	--	--
8B. Benzo (ghi) Perylene (191-24-2)	X			< 0.0041	< 0.11049	--	--	--	--	1	mg/L	kg/d	--	--	--
9B. Benzo (k) Fluoranthene (207-08-9)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			< 0.0053	< 0.14283	--	--	--	--	1	mg/L	kg/d	--	--	--
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			< 0.0057	< 0.15361	--	--	--	--	1	mg/L	kg/d	--	--	--
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X			< 0.0057	< 0.15361	--	--	--	--	1	mg/L	kg/d	--	--	--
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
14B. 4-BromophenylPhenyl Ether (101-55-3)	X			< 0.003	< 0.08085	--	--	--	--	1	mg/L	kg/d	--	--	--
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
16B. 2-Chloronaphthalene (91-58-7)	X			< 0.0046	< 0.12397	--	--	--	--	1	mg/L	kg/d	--	--	--
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			< 0.0042	< 0.11319	--	--	--	--	1	mg/L	kg/d	--	--	--
18B. Chrysene (218-01-9)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			< 0.0025	< 0.06737	--	--	--	--	1	mg/L	kg/d	--	--	--
20B. 1,2-Dichlorobenzene (95-50-1)	X			< 0.005	< 0.13475	--	--	--	--	1	mg/L	kg/d	--	--	--
21B. 1,3-Di-chlorobenzene (541-73-1)	X			< 0.005	< 0.13475	--	--	--	--	1	mg/L	kg/d	--	--	--

CONTINUED FROM PAGE V-6

OUTFALL NO. 003

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT							4. UNITS (*specify if blank*)		5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			< 0.005	< 0.134746	--	--	--	--	1	mg/L	kg/d	--	--	--
23B. 3,3-Dichlorobenzidine (91-94-1)	X			< 0.0165	< 0.444662	--	--	--	--	1	mg/L	kg/d	--	--	--
24B. Diethyl Phthalate (84-66-2)	X			< 0.0074	< 0.199424	--	--	--	--	1	mg/L	kg/d	--	--	--
25B. Dimethyl Phthalate (131-11-3)	X			< 0.0075	< 0.202119	--	--	--	--	1	mg/L	kg/d	--	--	--
26B. Di-N-Butyl Phthalate (84-74-2)	X			< 0.0064	< 0.172475	--	--	--	--	1	mg/L	kg/d	--	--	--
27B. 2,4-Dinitrotoluene (121-14-2)	X			< 0.0057	< 0.15361	--	--	--	--	1	mg/L	kg/d	--	--	--
28B. 2,6-Dinitrotoluene (606-20-2)	X			< 0.0034	< 0.091627	--	--	--	--	1	mg/L	kg/d	--	--	--
29B. Di-N-Octyl Phthalate (117-84-0)	X			< 0.0025	< 0.067373	--	--	--	--	1	mg/L	kg/d	--	--	--
30B. 1,2-Diphenylhydrazine (*as Azobenzene*) (122-66-7)	X			< 0.0088	< 0.237153	--	--	--	--	1	mg/L	kg/d	--	--	--
31B. Fluoranthene (206-44-0)	X			< 0.0022	< 0.059288	--	--	--	--	1	mg/L	kg/d	--	--	--
32B. Fluorene (86-73-7)	X			< 0.0022	< 0.059288	--	--	--	--	1	mg/L	kg/d	--	--	--
33B. Hexachlorobenzene (118-74-1)	X			< 0.0031	< 0.083543	--	--	--	--	1	mg/L	kg/d	--	--	--
34B. Hexachlorobutadiene (87-68-3)	X			< 0.0018	< 0.048509	--	--	--	--	1	mg/L	kg/d	--	--	--
35B. Hexachlorocyclopentadiene (77-47-4)	X			< 0.01	< 0.269492	--	--	--	--	1	mg/L	kg/d	--	--	--
36B Hexachloroethane (67-72-1)	X			< 0.0024	< 0.064678	--	--	--	--	1	mg/L	kg/d	--	--	--
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	X			< 0.0037	< 0.099712	--	--	--	--	1	mg/L	kg/d	--	--	--
38B. Isophorone (78-59-1)	X			< 0.0051	< 0.137441	--	--	--	--	1	mg/L	kg/d	--	--	--
39B. Naphthalene (91-20-3)	X			< 0.0038	< 0.102407	--	--	--	--	1	mg/L	kg/d	--	--	--
40B. Nitrobenzene (98-95-3)	X			< 0.0042	< 0.113187	--	--	--	--	1	mg/L	kg/d	--	--	--
41B. N-Nitrosodimethylamine (62-75-9)	X			< 0.0062	< 0.167085	--	--	--	--	1	mg/L	kg/d	--	--	--
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			< 0.0036	< 0.097017	--	--	--	--	1	mg/L	kg/d	--	--	--

CONTINUED FROM PAGE V-7

OUTFALL NO. 003

1. Pollutant and CAS NO. (*if available*)	2. MARK 'X'			3. EFFLUENT									5. INTAKE (*optional*)		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVG. VALUE (*if available*)		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			< 0.0027	< 0.0727628	--	--	--	--	1	mg/L	kg/d	--	--	--
44B. Phenanthrene (85-01-8)	X			< 0.0054	< 0.1455257	--	--	--	--	1	mg/L	kg/d	--	--	--
45B. Pyrene (129-00-0	X			< 0.0038	< 0.102407	--	--	--	--	1	mg/L	kg/d	--	--	--
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			< 0.0079	< 0.2128987	--	--	--	--	1	mg/L	kg/d	--	--	--
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			< 0.00005	< 0.0013475	--	--	--	--	1	mg/L	kg/d	--	--	--
2P. α-BHC (319-84-6)	X			< 0.00005	< 0.0013475	--	--	--	--	1	mg/L	kg/d	--	--	--
3P. β-BHC (319-85-7)	X			< 0.00005	< 0.0013475	--	--	--	--	1	mg/L	kg/d	--	--	--
4P. γ-BHC (58-89-9)	X			< 0.00005	< 0.0013475	--	--	--	--	1	mg/L	kg/d	--	--	--
5P. δ-BHC (319-86-8)	X			< 0.00005	< 0.0013475	--	--	--	--	1	mg/L	kg/d	--	--	--
6P. Chlordane (57-74-9)	X			< 0.0002	< 0.0053898	--	--	--	--	1	mg/L	kg/d	--	--	--
7P. 4,4'-DDT (50-29-3)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
8P. 4,4'-DDE (72-55-9)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
9P. 4,4'-DDD (72-54-8)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
10P. Dieldrin (60-57-1)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
11P. α-Enosulfan (115-29-7)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
12P. β-Endosulfan (115-29-7)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
13P. Endosulfan Sulfate (1031-07-8)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
14P. Endrin (72-20-8)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
15P. Endrin Aldehyde (7421-93-4)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--
16P. Heptachlor (76-44-8)	X			< 0.0001	< 0.0026949	--	--	--	--	1	mg/L	kg/d	--	--	--

EPA I.D. NUMBER (copy from Item 1 of Form 1) 110000342371	OUTFALL NO. 003

CONTINUED FROM PAGE V-8

1. Pollutant and CAS NO. *(If available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS *(specify if blank)*		5. INTAKE *(optional)*		
	a. Testing Required	b. Believed Present	c. Believed Absent	a. MAXIMUM DAY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVG. VALUE *(if available)*		d. No. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)	X			< 0.0001	< 0.002695	--	--	--	--	1	mg/L	kg/d	--	--	--
18P. PCB-1242 (53469-21-9)	X			< 0.005	< 0.134746	--	--	--	--	1	mg/L	kg/d	--	--	--
19P. PCB-1254 (11097-69-1)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
20P. PCB-1221 (11104-28-2)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
21P. PCB-1232 (11131-16-5)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
22P. PCB-1248 (12672-29-6)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
23P. PCB-1260 (11096-82-5)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
24P. PCB-1016 (12674-11-2)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--
25P. Toxaphene (8001-35-2)	X			< 0.001	< 0.026949	--	--	--	--	1	mg/L	kg/d	--	--	--

Summary of Internal Outfall 101 DMR Data

DMR Due Date	Flow (MGD)	TSS (mg/L)	Oil & Grease (mg/L)	Enterococci (N/100 mL)
10-Dec-08	0.818	4.3	<5.0	
10-Jan-09	1.887	11.7	<5.0	2
10-Feb-09	1.455	4.5	<5.0	
10-Mar-09	1.19	3.9	<5.0	
10-Apr-09	1.33	4.9	<5.0	
10-May-09	1.08	5.5	<5.0	
10-Jun-09	1.5	10	<5.0	
10-Jul-09	0.313	13.2	<5.0	
10-Aug-09	0.198	5.8	<5.0	
10-Sep-09	0.278	3.8	<5.0	
10-Oct-09	0.392	2.2	<5.0	
10-Nov-09	0.146	4	<5.0	
10-Dec-09	0.15	2.9	<5.0	
10-Jan-10	0.67	8.4	<5.0	19
10-Feb-10	0.47	2.9	<5.0	
10-Mar-10	0.75	7.8	<5.0	
10-Apr-10	0.39	4.8	<5.0	
10-May-10	0.53	3.2	<5.0	
10-Jun-10	0.33	4.5	<5.0	
10-Jul-10	0.32	3.8	<5.0	
10-Aug-10	0.56	9.4	<5.0	
10-Sep-10	0.28	1.8	<5.0	
10-Oct-10	0.4	2.4	<5.0	
10-Nov-10	0.38	3.6	<5.0	
10-Dec-10	0.39	4.1	<5.0	
10-Jan-11	0.62	46.2	<5.0	1
10-Feb-11	0.63	5.8	<5.0	
10-Mar-11	0.79	6.4	<5.0	
10-Apr-11	0.17	7.1	<5.0	
10-May-11	0.78	13.3	<5.0	
10-Jun-11	0.1	11.3	<5.0	
10-Jul-11	0.41	3.4	<5.0	
10-Aug-11	0.23	7.2	<5.0	
10-Sep-11	0.43	9.4	<5.0	
10-Oct-11	0.59	3.7	<5.0	
Maximum	**1.887**	**46.2**	**<5.0**	**19**
Average	**0.599**	**7.1**	**<5.0**	**7**

Summary of Internal Outfall 102 DMR Data

DMR Due Date	Flow (MGD)	TSS (mg/L)	Oil & Grease (mg/L)	Total Copper (µg/L)	Total Iron (µg/L)
10-Apr-09	0.216	12.43	<5.0	6	250
10-Jun-09	0.216	3.96	<5.0	10	<250
10-Jan-10	0.216	5.40	<5.0	36	<100
10-Jul-10	0.216	7.75	<5.0	<QL	<250
10-Jan-11	0.018	0.17	<5.00	670	<250
10-Mar-11	0.432	<3.60	<5.0	591.0	<250
10-Aug-11	0.22	4.9	<5.00	750	<250
Maximum	**0.432**	**12.43**	**<5.0**	**750**	**250**
Average	**0.220**	**5.2**	**<5.0**	**344**	**132**

Summary of Internal Outfall 103 DMR Data

DMR Due Date	Flow (MGD)	TSS (mg/L)	Dissolved Copper (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Nickel (µg/L)	Dissolved Zinc (µg/L)
10-Jan-09	1.613	19.5	2710	114	16790	5780
10-Jul-09	1.613	9.7				
10-Jan-10	1.613	10.3	2050	650	8110	5070
10-Jul-10	1.1613	14.6				
10-Jan-11	1.613	3.4	2300	513	9300	5420
10-Jul-11	1.613	17.6				
Maximum	**1.613**	**19.5**	**2710**	**650**	**16790**	**5780**
Average	**1.538**	**12.5**	**2353**	**426**	**11400**	**5423**

EPA Form 2F

Please print or type in the unshaded areas	EPA ID Number *(copy from item I of Form 1)* 110000342371	Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

Form **2F** NPDES

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
004	37	11	18	-76	28	07	Chisman Creek
008	37	12	57	-76	27	45	York River
009	37	12	56	-76	27	49	York River
010	37	12	40	-76	27	50	York River
012	37	11	55	-76	28	04	Wormley Creek
013	37	11	55	-76	28	04	Wormley Creek
014	37	12	57	-76	27	44	York River
015	37	12	57	-76	27	41	York River

N/A

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

See **Attachments A and E.**

 Continued on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
004	0 acre	26.1 acres	012	0.6 acre	3.1 acres
008	2.2 acres	5.5 acres	013	0 acre	49.9 acres
009	0 acre	4.4 acres	014	0.7 acre	0.8 acre
010	1.0 acre	1.7 acres	015	<1 acre	<1 acre

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

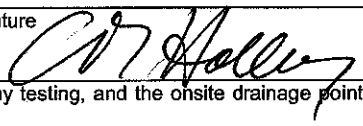
See Sections 4, 5, and 6 of the SWPPP in **Attachment F.**

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
All outfalls	See Sections 4, 5, and 6 of the SWPPP in **Attachment F.**	1-U (Outfalls 004 and 013) 4-A (all outfalls)

V. Non Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges, and that all non-stormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name of Official Title *(type or print)*	Signature	Date Signed
C.D. Holley, VP Fossil & Hydro System Operations		02/06/2012

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A Dry Weather Evaluation was conducted with on 01/19/2012. Documentation can be found at the end of the SWPPP in **Attachment F.**

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

None.

 Continued on Page 3

EPA ID Number *(copy from Item I of Form 1)*
110000342371

VII. Discharge Information

A,B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

X Yes *(list all such pollutants below)* ☐ No *(go to Section IX)*

See **Attachment C** for a list of other potential discharges not covered by analysis.

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☒ Yes *(list all such pollutants below)* ☐ No *(go to Section IX)*

Outfall	Year	Test Species	LC_{50}	TU_{ac}	NOEC Survival	NOEC Growth
004	2009	*C. dubia*	-	-	100%	100%
	2010		-	-	100%	50%
	2010 resample		-	-	100%	100%
	2011		-	-	100%	100%
008	2009	*M. bahia*	>100%	<1.0	-	-
	2010		>100%	<1.0	-	-
	2011		>100%	<1.0	-	-
012	2009	*C. dubia*	>100%	<1.0	-	-
	2010		>100%	<1.0	-	-
	2011		>100%	<1.0	-	-

IX. Contact analysis Information

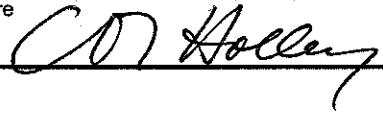
Were any of the analysis reported in item VII performed by a contact laboratory or consulting firm?

☒ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Primary Laboratories Inc.	7423 Lee Davis Rd., Mechanicsville, VA 23111	(804) 559-9004	See **Attachment D**

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
C.D. Holley, VP Fossil & Hydro System Operations	804-273-3592
C. Signature 	D. Date Signed 02/06/2012

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	<5.0 mg/L	N/A	<5.0 mg/L	N/A	32	Stormwater runoff from active industrial landfill
Biological Oxygen Demand (BOD5)	4.20 mg/L	N/A	N/A	N/A	1	
Chemical Oxygen Demand (COD)	16.02 mg/L	N/A	N/A	N/A	1	
Total Suspended Solids (TSS)	28.7	N/A	9.12 mg/L	N/A	32	
Total Organic Nitrogen	<0.30 mg/L	N/A	N/A	N/A	1	
Total Phosphorus	<0.05 mg/L	N/A	<0.05 mg/L	N/A	6	
pH	4.48 S.U. Minimum	8.87 S.U. Maximum	7.34 S.U. Average	N/A	32	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chlorine, Total Residual	<0.1 mg/L	N/A	N/A	N/A	1	Stormwater runoff from active industrial landfill
Total Copper	0.001 mg/L	N/A	N/A	N/A	1	
Total Iron	0.07 mg/L	N/A	N/A	N/A	1	
Total and Dissolved Zinc	<0.010 mg/L	N/A	N/A	N/A	1	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Gross Alpha	3.19 pCi/L	N/A	N/A	N/A	1	Stormwater runoff from active industrial landfill
Gross Beta	21.2 pCi/L	N/A	N/A	N/A	1	
Boron	1.69 mg/L	N/A	N/A	N/A	1	
Fluoride	0.198 mg/L	N/A	N/A	N/A	1	
Total Phenol	0.01 mg/L	N/A	N/A	N/A	1	
Sulfate	343.09 mg/L	N/A	N/A	N/A	1	
Antimony	0.001 mg/L	N/A	N/A	N/A	1	
Arsenic	0.009 mg/L	N/A	N/A	N/A	1	
Barium	0.106 mg/L	N/A	N/A	N/A	1	
Magnesium	10.83 mg/L	N/A	N/A	N/A	1	
Manganese	0.07 mg/L	N/A	N/A	N/A	1	
Molybdenum	0.889 mg/L	N/A	N/A	N/A	1	
Selenium	0.009 mg/L	N/A	N/A	N/A	1	
Thallium	0.0003 mg/L	N/A	N/A	N/A	1	
Color	11 PCU	N/A	N/A	N/A	1	
Bromide	2.41 mg/L	N/A	N/A	N/A	1	

See Attachment D for all other parameters analyzed for this outfall.

N/A

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.				
1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*

7. Provide a description of the method of flow measurement or estimate.

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash handling areas and Unit 3
Biological Oxygen Demand (BOD5)	< 3 mg/L	N/A	N/A	N/A	1	
Chemical Oxygen Demand (COD)	< 5 mg/L	N/A	N/A	N/A	1	
Total Suspended Solids (TSS)	72.3 mg/L	N/A	45.4 mg/L	N/A	4	
Total Organic Nitrogen	<0.18 mg/L	N/A	N/A	N/A	1	
Total Phosphorus	0.09 mg/L	N/A	0.07 mg/L	N/A	4	
pH	6.91 S.U. Minimum	8.13 S.U. Maximum	7.68 S.U. Average	N/A	4	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chlorine, Total Residual	<0.1 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash handling areas and Unit 3
Total Copper	0.005 mg/L	N/A	N/A	N/A	1	
Total Iron	0.027 mg/L	N/A	N/A	N/A	1	
Total Zinc	0.556 mg/L	N/A	N/A	N/A	1	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Bromide as Br	0.81 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash handling areas and Unit 3
Color	5 PCU	N/A	N/A	N/A	1	
Boron as B	0.04 mg/L	N/A	N/A	N/A	1	
Fluoride as F	0.116 mg/L	N/A	N/A	N/A	1	
NO3+NO2	0.32 mg/L	N/A	N/A	N/A	1	
Sulfate as SO4	14.52 mg/L	N/A	N/A	N/A	1	
Antimony as Sb	0.001 mg/L	N/A	N/A	N/A	1	
Barium as Ba	0.012 mg/L	N/A	N/A	N/A	1	
Chromium as Cr	0.002 mg/L	N/A	N/A	N/A	1	
Lead as Pb	0.002 mg/L	N/A	N/A	N/A	1	
Magnesium as Mg	1.24 mg/L	N/A	N/A	N/A	1	
Manganese as Mn	0.08 mg/L	N/A	N/A	N/A	1	
Molybdenum as Mo	0.001 mg/L	N/A	N/A	N/A	1	
Nickel as Ni	0.020 mg/L	N/A	N/A	N/A	1	
Selenium as Se	0.003 mg/L	N/A	N/A	N/A	1	

See Attachment D for all other parameters analyzed for this outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

N/A

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*

7. Provide a description of the method of flow measurement or estimate.

Continued from the Front

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	<5 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the warehouse area
Biological Oxygen Demand (BOD5)	4.3 mg/L	N/A	N/A	N/A	1	
Chemical Oxygen Demand (COD)	18.39 mg/L	N/A	N/A	N/A	1	
Total Suspended Solids (TSS)	152.2 mg/L	N/A	52.3 mg/L	N/A	3	
Total Organic Nitrogen	0.32 mg/L	N/A	N/A	N/A	1	
Total Phosphorus	0.09 mg/L	N/A	N/A	N/A	1	
pH	6.91S.U. Minimum	7.70 S.U. Maximum	7.18 S.U. Average	N/A	3	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chlorine, Total Residual	<0.1 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the warehouse area
Total Copper	0.002 mg/L	N/A	N/A	N/A	1	
Total Iron	0.14 mg/L	N/A	N/A	N/A	1	
Total Zinc	0.032 mg/L	N/A	N/A	N/A	1	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Bromide as Br	1.31 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the warehouse area
Color	36 PCU	N/A	N/A	N/A	1	
Boron as B	0.05 mg/L	N/A	N/A	N/A	1	
Fluoride as F	0.041 mg/L	N/A	N/A	N/A	1	
NO3+NO2	0.04 mg/L	N/A	N/A	N/A	1	
Sulfate as SO4	8.76 mg/L	N/A	N/A	N/A	1	
Barium as Ba	0.009 mg/L	N/A	N/A	N/A	1	
Magnesium as Mg	0.88 mg/L	N/A	N/A	N/A	1	
Manganese as Mn	0.04 mg/L	N/A	N/A	N/A	1	

See Attachment D for all other parameters analyzed for this outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

N/A

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*

7. Provide a description of the method of flow measurement or estimate.

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	<5 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash haul road
Biological Oxygen Demand (BOD5)	5.1 mg/L	N/A	N/A	N/A	1	
Chemical Oxygen Demand (COD)	48.19 mg/L	N/A	N/A	N/A	1	
Total Suspended Solids (TSS)	38.1 mg/L	N/A	30.9 mg/L	N/A	2	
Total Organic Nitrogen	0.69 mg/L	N/A	N/A	N/A	1	
Total Phosphorus	0.11 mg/L	N/A	N/A	N/A	1	
pH	6.39 S.U. Minimum	6.82 S.U. Maximum	N/A	N/A	2	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chlorine, Total Residual	<0.1 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash haul road
Total Copper	0.004 mg/L	N/A	N/A	N/A	1	
Total Iron	0.62 mg/L	N/A	N/A	N/A	1	
Total and Dissolved Zinc	0.012 mg/L	N/A	N/A	N/A	1	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Bromide as Br	0.81 mg/L	N/A	N/A	N/A	1	Stormwater runoff from industrial activities, including the ash haul road
Color	74 PCU	N/A	N/A	N/A	1	
Gross Beta	2.29 pCi/L	N/A	N/A	N/A	1	
Boron as B,	0.02 mg/L	N/A	N/A	N/A	1	
Fluoride as F	0.03 mg/L	N/A	N/A	N/A	1	
NO3+NO2	0.03 mg/L	N/A	N/A	N/A	1	
Phenol	0.01 mg/L	N/A	N/A	N/A	1	
Sulfate as SO4	10.43 mg/L	N/A	N/A	N/A	1	
Aluminum as Al	0.21 mg/L	N/A	N/A	N/A	1	
Barium as Ba	0.014 mg/L	N/A	N/A	N/A	1	
Lead as Pb	0.002 mg/L	N/A	N/A	N/A	1	
Magnesium as Mg	1.2 mg/L	N/A	N/A	N/A	1	
Manganese as Mn	0.05 mg/L	N/A	N/A	N/A	1	

See Attachment D for all other parameters analyzed for this outfall.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

N/A

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*

7. Provide a description of the method of flow measurement or estimate.

VPDES Permit Application Addendum

VPDES Permit Application Addendum

1. **Entity to whom the permit is to be issued:** Virginia Electric & Power Company
Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.

2. **Is this facility located within city or town boundaries?** No

3. **What is the tax map parcel number for the land where this facility is located?** Map No. 019-33; GPIN S10C-1792-2331

4. **For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities?** None

5. ALL FACILITIES: **What is the design average flow of this facility?** 846.6 MGD (2)
Industrial facilities: **What is the max. 30-day avg. production level (include units)?** 627.11 MGD (3)
(2) Maximum 30-day maximum flow from Outfall 001 based on data generated January 2008 – August 2011.
(3) Maximum 30-day average flow from Outfall 001 based on data generated January 2008 – August 2011.

In addition to the above design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? No

If AYes≅, please specify the other flow tiers (in MGD) or production levels: n/a
Please consider: Is your facility's design flow considerably greater than your current flow? Do you plan to expand operations during the next five years?

6. **Nature of operations generating wastewater:**
Generation of electricity with steam produced by combustion of coal and/or oil.

0% of flow from domestic connections/sources
Number of private residences to be served by the wastewater treatment facilities: X 0 __ 1-49 __ 50 or more

100% of flow from non-domestic connections/sources

7. **Mode of discharge:** X Continuous __Intermittent __Seasonal
Describe frequency and duration of intermittent or seasonal discharges: N/A

8. **Identify the characteristics of the receiving stream at the point just above the facility's discharge point:**
X Permanent stream, never dry
__ Intermittent stream, usually flowing, sometimes dry
__ Ephemeral stream, wet-weather flow, often dry
__ Effluent-dependent stream, usually or always dry
__ Lake or pond at or below the discharge point
__ Other:_____

9. **Approval Date(s):**
O & M Manual April 14, 2010
Sludge/Solids Management Plan N/A

Have there been any changes in your operations or procedures since the above approval dates? No

Attachment C

Potential Discharges Not Covered by Analysis

CHEMICALS IN USE
YORKTOWN POWER STATION

SYSTEM/PROCESS	VENDOR/PRODUCT	CAS #	APPLICATION	POSSIBLE DISCHARGE PATH
Bearing Cooling Water	GE Betz/Dianodic DN2100 GE Betz/Spectrus NX1103 Nalco 3D Trasar 3DT183 Nalco 7330 Nalco 3D Trasar 3DT161	1310-58-3/29385-43-1/2809-21-4 13590-97-1/6317-18-6/67-63-0 Proprietary & 7664-38-2, 7664-93-9 26172-55-4, 2682-20-4, 10377-60-3 Proprietary & 1310-58-3	Corrosion inhibitor Biocide Corrosion inhibitor Biocide Corrosion inhibitor	Outfalls 101, 001, 002
Boiler	Oxygen, Refrig. Liquid Sodium Nitrite Citric Acid Sodium Sulfite Sodium Bromate Rodine Diammonium EDTA Ammonia Solution	7782-44-7 7632-00-0 77-92-9 7757-83-7 7789-38-0 143106-84-7/5877-42-9/109-46-6/7647-01-0 7664-41-7/7732-18-5	 Copper Solvent Copper Chelate Iron Chelate Copper Solvent	Outfalls 101, 102, 001, 002
Turbine	Ammonia Solution Ammonium Bicarbonate SAG-10 Silicone Antifoam Bio-Terge PAS-8S Citric Acid Mafo Cab Betaine	7664-41-7/7732-18-5 1066-33-7 7732-18-5 5324-84-5/7757-82-6/67-63-0 77-92-9 61789-40-0	Copper Solvent Copper Solvent Defoaming Agent Foaming Agent Spill Neutralization Foaming Agent	Outfalls 101, 102, 001, 002, 008, 014
#6 Fuel Oil System	Fuel Tech 8263 PLUS Fuel Tech Fireshield S10A #6 Fuel Oil Combustion Catalyst - Fuel Tech 9102 Magnesium Oxide fuel oil additive	1309-42-8/215-170-3 111-42-2/203-868-0 21645-51-2/91-20-3/1309-42-8 10124-37-5	Fuel oil additive – Unit 3 Fuel oil additive – Unit 3 Combustion catalyst – Unit 3 Fuel oil additive – Unit 3	Outfalls 101, 001, 002, 008, 014
Ash Site Ponds	UNIVAR/Hydrochloric Acid GE Betz/Klaraid PC 1192 Nalco 8103 Plus	7732-18-5/7647-01-0	pH control Coagulant Coagulant	Outfalls 003 & 004

SYSTEM/PROCESS	VENDOR/PRODUCT	CAS #	APPLICATION	POSSIBLE DISCHARGE PATH
Boiler/Feedwater	Trisodium Phosphate Disodium Phosphate GE Betz/Steamate PWR0160 Sodium Hydroxide Pellets Nalco Pre-Tect PT2000 Nalco Elimin-ox	7601-54-9 7558-79-4 5332-73-0 1310-73-2 5332-73-0 497-18-7	pH control (boiler) pH control (boiler) pH control (feedwater) pH control (boiler) pH control (feedwater) oxygen scavenger	Outfalls 101, 001, 002
River Cooling Water	Sodium Hypochlorite Acti-Brom 1338 Nalco H-130M Nalco 1315	7681-52-9 7647-15-6 7173-51-5/64-17-5 1302-78-9/14808-60-7	Biocide Chlorine enhancer Biocide Detox Agent	Outfalls 001, 002, 111, 005, 006, 014
Metals Waste Pond	UNIVAR/Hydrated Lime	1305-62-0	Metals precipitation	Outfalls 102, 001, 002
Demineralizer/RO Unit	Sodium Bisulfite Sodium Hydroxide 50% Sulfuric Acid Sodium Chloride Sodium Hydroxide 25% Carbon Ion Exchange Resin	7631-90-5 1310-73-2 7664-93-9 7647-14-5 7732-18-5/1310-73-2/7647-14-5 7440-44-0 069011-22-9/007732-18-5	Dechlorination Anion Regenerate Cation Regenerate Softener	Outfalls 101, 001, 002, 014
Fire Supression Foam	Aer-O-Foam, 3% Universal Gold, 3% Protein based fire suppression foam		Fire fighting foam	Outfalls 101, 008, 001, 002
Rotamix	19% Aqua Ammonia	7664-41-7/7732-18-5/1336-21-6	NOx control	Outfalls 101, 014, 001, 002
Bottom Ash Sluice Water	Polyfloc AE1125	64742-47-8	Bottom Ash Flocculant	Outfalls 001, 002
Ice Melt	Calcium Chloride Sodium Chloride			Outfalls 001, 002, 008, 010, 012, 014
General Plant	FerroKleen 401 Enviro Super Solv Enviro Power Clean Simple Green	3012-65-5	Cleaning Solution	Outfalls 101, 001, 002
Coal fuel system	Nalcoal 9838	Latex product	Fuel binder	Outfalls 101, 103
EHC System	Fyrquel EHC Fluid		Hydraulic fluid	Outfalls 101, 001, 002
Intake Screens	NEF Gear Oil NEF Food Grade AW Hydraulic Fluid Clarion Green 460 Gear Lube Clarion Green A/W Oils		Lubricants for screenwell tracks and chains	Outfalls 111
Control Room Air Chiller	Propylene glycol	57-55-6	Fluid system	Outfalls 101, 001, 002

Attachment D

Effluent Sampling Documents

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Certified Mail
Return Receipt Requested

June 29, 2011

Mr. Mark Sauer
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

Re: Dominion Yorktown Power Station VPDES Permit VA0004103
VPDES Permit Reissuance Application Sampling Plan and Waivers Request

Dear Mr. Sauer:

Dominion is preparing an application to renew the Yorktown Power Station's VPDES permit (VA0004103). This permit expires on August 15, 2012. In accordance with the requirements as we understand them, we are developing a sampling plan to include the upcoming work planned for this facility. We plan to report analytical data from three years of discharge monitoring reports (2008-2010) for the parameters currently limited in the VPDES permit for each outfall and to conduct the majority of our consolidated permit sampling in the Summer 2011 timeframe. Dominion respectfully submits the following requests for sampling and testing waivers associated with the VPDES permit reissuance application:

1. Discharges from internal Outfalls 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 202, 203, 204, 205, and 011 combine for final treatment in the discharge canal which discharges via Outfalls 001 and 002. Pollutants of concern for each internal outfall are identified in the current VPDES permit. As the sample results from Outfalls 001 and 002 adequately characterize the effluent discharged into state waters, we request that testing requirements for all internal outfalls be limited to the parameters monitored in the effective VPDES permit, if any, and all other monitoring requirements, including the 24-hour composite sample requirement, be waived.

2. For Outfall 002, we request that the requirement for 24-hour composite samples be waived and grab samples be allowed. Effluent quality is not expected to vary greatly during a 24-hour period, and thus grab samples are adequately sufficient to characterize the effluent. This sample type is consistent with the VPDES permit requirements as well as the 2004 permit reissuance sampling procedure.

3. Dominion requests that testing requirements for delisted priority pollutants (e.g. trichlorofluoromethane, bis (chloromethyl) ether, and dichlorodifluoromethane) be waived for all sampled outfalls.

4. For all stormwater outfalls, we request that the requirement for flow-weighed composite samples be waived and only grab samples be required. The effective VPDES permit requires grab samples for these parameters, and waiving the composite sample requirement would allow Dominion to submit the results of more robust sampling (i.e. testing data gathered over multiple years versus generating one datum from a single sampling event). Also, stormwater quality is most conservatively characterized by grab samples collected during the period of initial runoff as we are requesting.

5. For all sampled outfalls, we request a sampling waiver for fecal coliform and Enterococcus as no station activities contribute to this parameter.

6. Dominion requests a waiver from the qualifying storm event triggers (i.e. greater than 0.1 inch) for Outfalls 008, 014, 010, and 012. We propose to sample in accordance with the newly revised General Stormwater which states: A minimum of one grab sample shall be taken from the discharge associated with industrial activity resulting from a storm event that results in an actual discharge from the site (defined as a "measurable storm event"), providing the interval from the preceding measurable storm event is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs at the site. (from 9 VAC 151-70, Part I.A.2.b)

7. For Outfalls 003 and 004, we request a waiver from all storm event triggers (i.e. greater than 0.1 inch and the 72-hour interval). Dominion proposes to collect the samples in accordance with the permit sampling requirements which do not specify sampling during a rain event. This waiver would allow for the use of DMR data and be consistent with the sampling approach taken in the current VPDES permit.

8. Outfall 104 is an internal outfall that discharges to a Hampton Roads Sanitation District (HRSD) facility and is addressed in an industrial user permit issued by the pretreatment control authority. The existing VPDES permit also authorizes discharges from this wastewater source into the metals cleaning pond (Outfall 102) which in turn discharges to state waters via Outfalls 001/002; thus, Outfall 104 is an internal outfall to internal Outfall 102. The only parameters of concern identified in discharges from Outfall 104 are copper and zinc, and the metals pond provides treatment for these parameters prior to discharge. As sampling metals in Outfall 104 prior to treatment in Outfall 102 serves a limited purpose, Dominion proposes to remove Outfall 104 from the permit application but sustain the leachate tank as a wastewater source input into the metals pond (Outfall 102). Alternatively, we would like to report only those parameters analyzed for the DEQ DMRs and the HRSD reports and have all testing for all other required sampling parameters waived for this outfall.

9. With respect to sampling for the Water Quality Standards parameters, we request sampling and analysis relief for tributyltin (TBT). This parameter is believed to be absent from the discharges as the facility does not employ this parameter onsite nor does it perform any ship maintenance activities.

Dominion would like to identify substantially identical outfalls. In accordance with the effective VPDES permit, Outfall 003 is representative of Outfall 014 and Outfall 108 is representative of Outfalls 107 and 110. Also, Outfall 002 is representative of Outfall 001. The wastewater sources for these two outfalls are identical as is the mixing achieved in the discharge canal; the only differentiation between Outfall 001 and Outfall 002 is how the effluent reaches the receiving steam (via an outfall pump or a weir). These outfalls were also identified as substantially identical in the 2005 VPDES reissuance application.

A sample plan summary is also included with this correspondence.

Dominion appreciates this opportunity to review these requirements and coordinate our sampling plan with your agency. If you have any questions, please contact Gina Kelly at (804) 273-3174 or via email at Virginia.R.Kelly@dom.com.

Sincerely,

Cathy C. Taylor
Director, Electric Environmental Services

Attachment

Virginia R Kelly (Services - 6)

From: Sauer, Mark (DEQ) [Mark.Sauer@deq.virginia.gov]
Sent: Thursday, July 07, 2011 10:53 AM
To: Virginia R Kelly (Services - 6)
Subject: Dominion Yorktown VA0004103 Permit Application Sampling Plan and Waiver Request

Gina –

We have reviewed the letter from Cathy Taylor dated June 29, 2011 outlining Dominion's proposed sampling plan and waiver request for sampling for the application for reissuance of the Yorktown Power Station VPDES permit.

We can agree with all waiver requests and the sampling plan with one exception. The DEQ TRO would like to see enterococci sampling at external outfalls 001, 002, 003, 004. We have seen enough cases of cross-connections or unknown leaks or unexplained occurrences of bacterial contamination at industrial facilities that we do often request enterococci sampling as part of the application to provide evidence that there is no concern for bacterial contamination when developing the permit. This is particularly the case at large industrial facilities where bacterial testing is not routinely conducted at external outfalls. We are asking for enterococci rather than fecal because fecal may not be associated with human contributions, and may be due to waterfowl contributions and would not be a pollutant source related to activities of the permittee.

If you have any questions or need additional information, please feel free to contact me. Thank you.

Mark Sauer
DEQ-TRO Water Permits Section
757-518-2105
mark.sauer@deq.virginia.gov

Attachment F

Stormwater Pollution Prevention Plan (SWPPP)

4.0 POTENTIAL POLLUTANT SOURCES

Permit No.VA0004103, Part I.D.4.d.(2) Description of Potential Pollutant Sources *(SWPPP Cross Reference #5)*
Permit No.VA0004103, Part I.D.4.(b) Inventory of Exposed Materials *(SWPPP Cross Reference #6)*

A SWPPP evaluation and associated SPCC Plan updating reviews identify the following equipment and areas that could potentially impact storm water as a result of spills during oil or chemical transfer operations. The likelihood is low and is primarily associated with storm drain vicinity to the equipment/operation. Please refer to Appendix C for general sheet flow direction.

These areas represent the most likely areas where storm water can be impacted.

The balance of potential exposure would be limited to catastrophic equipment damage or loss including loss of secondary containment. Refer to the SPCC Plan. It is maintained under separate cover and it has a list of predicted quantity losses from all equipment assuming loss of secondary containment capacity for oil-containing equipment or tanks.

4.1 SUMMARY OF POTENTIAL POLLUTANT SOURCES

Permit No.VA0004103,Part I.D.4.d. 2.(e) Risk Identification and Summary of Potential Pollutant Sources *(SWPPP Cross Reference #9)*

Facility Area	Activity	Pollutant(s) or Pollutant Parameter(s)
Coal Yard	Products offloaded, stockpiled materials, product movement (i.e. conveyor system)	POLLUTANT: Coal, Coal Ash DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Ash Landfill	Deposition and Compaction of Ash	POLLUTANT: Coal Ash DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Ash Haul Roads	Hauling Ash to the Landfill	POLLUTANT: CCB associated pollutants DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Outdoor Bulk Chemical Storage Areas	Items are stored and used in closed containers.	POLLUTANT: Sodium hypochlorite, sulfuric acid, sodium hydroxide, kerosene, No. 2 & 6 fuel oil, diesel fuel, gasoline, calcium hydroxide, actibrom, aqua ammonia DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: No
Loading and Unloading and Transfer Operation Areas (facility-wide) See Section 4.3 for more details	Unloading bulk chemicals adjacent to tank locations; transferring chemicals	POLLUTANT: Various chemicals See Bulk Chemicals listed in Section 4.2 DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Yes
Metal/additional material storage area	Storage for piping, culverts and steel components	POLLUTANT: Rust and particles DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes

4.2 Site Bulk Chemicals/ Materials

Chemical / Material Storage		
Storage Tank Type (Outfall)	**Storage Capacity (Gallons)**	**Secondary Containment (Gallons)**
*Ammonium Hydroxide or Aqua Ammonia (19%) (106)	25,000 gal. Northeast of Unit 1	Concrete berm-contains over 110% of tank capacity
*Combustion catalyst (008, 014)	6,000 gal. tank	Concrete berm (47,124 gal)
*Sodium Hypochlorite (15%) (008, 014)	10,000 gal tank Northwest of Station Intakes	Concrete berm (47,124 gal)
*Actibrom (008, 014)	6,000 gal tank Northwest of Station Intakes	Concrete berm (47,124 gal)
General Refuse (106 & 205)	N/A	Lidded dumpster & gravel bed
Scrap metal Dumpster (011& 205)	N/A	Lg. metal in good condition
Laydown Yard-metals (010 & 011)	N/A	Graded gravel

* Footnote: Currently not a direct exposure to Storm Water

Note: SARA Tier II Chemical Inventory Reports are submitted annually and stored on-site. The SARA reports provide information on bulk chemical storage and available upon request.

Chemical & Material Unloading & Transfer Facilities		
Unloading/Transfer Facility Name, Number (Outfall)	**Spill Potential (Source)**	**Structural BMPs Secondary Containment (Gallons)**
Coal in Railcars and conveyor system (011)	Coal	Cars in good condition
Sodium hydroxide- North of Unit 1 in Reverse Osmosis Building	275 gal.	Makeup chemical delivered in drums, stored in the building.
Lime Slurry or Calcium hydroxide tanks (109)	Lime Slurry	Secondary containment around tanks, 28,618 gal. capacity
Bulk Chemical Transfers	Various chemicals – See list of bulk chemicals	Portable containment dike for truck
Warehouse (010 & 011)	Various Chemicals	Items moved inside upon delivery-building is secondary containment
CCB Transfer to Landfill (109)	CCB from trucks	CCB-carrying trucks are covered and are periodically inspected for defects that would contribute to CCB releases during transport.
Demineralization Trailers (106)	Demineralization water	Station procedures require a station employee to be present during trailer change-outs.
Sodium hypochlorite (008)	Sodium hypochlorite	Curbed Concrete Secondary Containment.
Combustion Catalyst Tank (008)	Combustion Catalyst	Curbed Concrete Secondary Containment.
Hydrochloric Acid (003)	55 gallon	Retention pond known as Pond 003.

4.3 Site Bulk Oil

The oil related tables are from the Station's SPCC Plan, and is maintained at the Station under separate cover.

Per agreements with Western Refinery, Yorktown Power Station is responsible for the VPDES Storm Water requirements in the Phase II (Tanks C, D and E) area. Since Phase II is regulated under the petroleum regulations, please refer to the relevant SPCC/ODCP Plan, which is maintained under separate cover. (Note, the storm water from Phase I (Tanks A & B) area is collected in discharged through Western Refinery VPDES system and incorporated into Western Refinery's SWPPP program.)

4.4 Sediment & Erosion

Permit No.VA0004103, Part I.D.4.d.(3)(g) Sediment and Erosion Control *(SWPPP Cross Reference #17)*

4.4.1 Sediment and Erosion Control and Management of Runoff

Permit No.VA0004103, Part I.D.4.d.(3)(h) Management of Runoff *(SWPPP Cross Reference #18)*

The Station utilizes curbs, concrete ditches, storm drain filters, retention valves, rip rap, vegetated swales, graveled areas and grates/inlets to control storm water runoff.

4.5.2 Construction Erosion & Sediment Control

Permit No.VA0004103, Part I.D.4.a.(1) Measures That Require Construction *(SWPPP Cross Reference # 3)*

Appendix F is reserved for Erosion Control and Sediment Plan insertion in the event of construction activity at the Station. Such plans are required for Construction Storm Water Permits and developed with a specific focus on site topography, drainage patterns, soils, ground cover, and adjacent runoff areas.

5.0 STORM WATER CONTROLS

Permit No.VA0004103,Part I.D.4.d.(3) Measures and Controls (SWPPP Cross Reference #10)

Storm water management controls appropriate for the Station can be summarized as follows:

UNIT OR AREA NAME	APPROPRIATE STORM WATER MANAGEMENT CONTROLS
Storage Tanks	Secondary containment, shutoff valves, unloading procedures, inspections, spill kits, and sampling secondary containment stormwater for appropriate materials
Oil Filled Mechanical Equipment	Secondary containment, inspections, and spill kits
Material Transfer Areas	Secondary containment, written procedures, inspections, and spill kits
Water Treatment Chemical Areas	Stored inside buildings or sheds with secondary containment flooring, written procedures, inspections, and spill kits
Runoff Controls	Concrete ditches, stormwater grates/drop-inlets, vegetated swales, and rip-rap

5.1 Structural BMPs

Refer to Section 4.2 & 4.4 for structural BMPs in place at this Station.

5.2 Non-Structural BMPs

The Station has Operating Procedures (OP) that are related to storm water contact management. They reduce the potential for storm water contact due to equipment failure or operational losses. The associated OPs are listed in section 5.2.1.

5.2.1 Employee Training

Permit No.VA0004103, Part I.D.4.(3)(e) Employee Training *(SWPPP Cross Reference #15)*

The positions noted in the Pollution Prevention Team with **(2)** are responsible for providing the storm water training. The Station has the following training that encompasses storm water management:

- Site Environmental Orientation
- Safety Orientation
- Hazard Communication Program
- Environmental Awareness Training
- Annual Storm Water Pollution Prevention Briefings
- Annual Spill Prevention and Response Briefings
- Annual Spill Response Training

The following table represents the Operational Procedures (OP) associated with storm water and used as training. Copies of the OPs are maintained in the Station's files and available upon request.

Procedure Number	Station Procedure Name
OPR-Unit0,No.134	Safe fill and shut down procedures for tanker truck unloading
OPR-Unit0,No.122	Ammonia tank truck unloading
N/A	Outside Operator's Log (electronic tank inspection form)
SOI 9.2	Western Refinery Phase II Storm Water Drainage Procedure for Valve

Material Safety Data Sheets (MSDS) are also utilized as part of training to ensure that employees understand the nature of materials involved with equipment leaks. Refer to Station's files for copies of the MSDS.

5.2.2 Good Housekeeping

Permit No.VA0004103, Part I.D.4.d(3)(a) Good Housekeeping *(SWPPP Cross Reference #11)*& **Part I.D.5(SWPPP Cross Reference #20)**

All exposed areas are maintained in a clean and orderly facility to keep pollutants out of storm water. Facility personnel are trained in good housekeeping and its importance in preventing storm water contamination.

Areas subject to contact with storm water are regularly inspected for proper disposal of waste and for general cleanliness. Containers are located around the facility for appropriate disposal of waste materials. These containers are routinely emptied and the waste correctly disposed offsite. The area around the Substation and Coal Yard is periodically evaluated to determine the feasibility of needing cleaning.

Storage areas are located outside of traffic flows to minimize opportunities for accidents and are routinely inspected for evidence of problems such as leakage. Chemical and oil drums are stored with adequate aisle space for safe material transfer and ready access for inspections. Metal drums containing chemicals and oil are stored on pallets or otherwise above ground moisture to prevent corrosion and loss of containment. Secondary containment basins are cleaned as needed. All areas of the Station are routinely inspected for leaks and proper container conditions. More formal inspections are done routinely at this facility.

Material inventory procedures enable accurate tracking of chemicals and oil used at the facility. Storage containers are clearly identified to meet labeling requirements. Material Data Safety Sheets are maintained at the facility for all the chemicals and are accessible to all employees. More good housekeeping measures are further discussed in Section 6.0 of this Plan.

During outages, outdoor activities will be evaluated and appropriate BMPs will be installed.

5.2.3 Minimizing Exposure

The Station minimizes exposure by use of housekeeping, structural & non-structural BMPs.

5.2.4 Routine Facility Inspections

Permit No.VA0004103, Part I.D.4.d(3)(b) Preventive Maintenance (SWPPP Cross Reference #12)
Permit No.VA0004103, Part I.D.4.d(3)(d) Inspections (SWPPP Cross Reference #14)

See Section 3.4

5.2.5 Spill Prevention and Response Procedures

Permit No.VA0004103, Part I.D.4.d.(3)(c) Spill Prevention and Response Procedures *(SWPPP Cross Reference #13)*

Containment is provided for some petroleum and chemical product tanks. See previous sections for pertinent descriptions of areas of spill potential. The Station maintains a separate SPCC Plan and an Integrated FRP and ODCP that further details spill procedures for oil products. Site personnel are trained in spill prevention measures through their Environmental Awareness Training. This training indicates that employees may respond to and clean up oil spills and "incidental" spills of chemicals. Proper personal protective equipment must be used in handling spills. The local hazmat response unit will be called to respond to spills beyond the control of site personnel. The Facility Environmental Compliance Coordinator would be notified as soon as possible to confirm reporting requirements; as Agency reporting may be necessary. The Corporate Environmental Compliance personnel would handle any reporting requirements to any Agencies.

For guidance on incident reporting, refer to the Dominion Environmental Protection Manual-Water Quality-Chapter 3-Environmental Incident Reporting.

5.3 BMP Maintenance

Permit No.VA0004103, Part I.D.4.d.(3)(b) Preventive Maintenance *(SWPPP Cross Reference #12)*

The preventative maintenance for this Facility includes: timely inspections, maintenance of storm water control devices, inspections of the equipment, operational procedures and general best management practices. This facility is continually updating its BMPs list.

5.4 Existing BMPs

Based upon facility evaluation, Section 4.0 (Potential Pollutant Sources) identified those types and locations of equipment that can potential impact storm water as a result of operational or equipment failure or human error. The continuing structural or non-structural Best Management Practices (BMPs) that are currently utilized, and will continue to be utilized, until planned BMP feasibility studies are completed for possible future construction and/or implementation. Refer also to Section 5.5.

5.5 BMPs Planned for Consideration

BMPs planned for consideration at this facility are limited to those identified during periodic evaluations. Storm water detention or retention is included as one type of structural BMP under consideration and will be continually reviewed for both contained and uncontained equipment. Refer to Appendix D, Annual Compliance Evaluation for the most recent BMP recommendations.

6.0 GOOD HOUSEKEEPING MEASURES

Permit No.VA0004103, Part I.D.4.d.(3)(a) Good Housekeeping *(SWPPP Cross Reference #11)*
Permit No.VA0004103, Part I.D.5. Facility-specific Storm Water Conditions *(SWPPP Cross Reference #20)*

6.1 Fugitive Dust Emissions

This Station has the following measures in place to minimize fugitive dust emissions from the coal handling areas. The delivery of coal comes via rail and offloading from the railcar occurs under a covered shed, using the bottom dump method. Wet suppression (Rainbird) sprinkler system is used to minimize fugitive dust from the coal pile. The conveyors used to transport the coal onsite are partially covered for this prevention. Ash hauling trucks are loaded in buildings utilizing closed roll up doors or water screens to prevent fugitive dust emissions. All ash hauling vehicles must be covered during transport. All of these vehicles are required to pass through a truck wash prior to leaving the station or the landfill. The coal pile is bounded on two sides with an earthen berm and evergreen trees to prevent wind blown dust. The Station is surrounded by evergreen trees to prevent wind blown dust from leaving the property.

6.2 Delivery Vehicles

Multiple types of delivery vehicles deliver products onsite. Most of the deliveries are in bulk chemicals closed container trucks that unload adjacent to the perspective tank/silo/storage location. This Station has safe fill and shutdown procedures for petroleum and chemical deliveries that are to be used in the transfer process. Vehicle inspections are conducted to ensure integrity of the vehicle body and container. Delivery of petroleum products is handled in accordance with the SPCC Plan and ODCP/FRP. Most deliveries not in bulk containers are delivered to the warehouse in closed containers.

6.3 Fuel Oil Unloading Areas

Measures to prevent or minimize contamination of storm water runoff from fuel oil unloading areas are described in the SPCC Plan and ODCP/FRP under a separate cover at this Facility.

6.4 Chemical Loading/Unloading Areas

Standard operating procedures (SOPs) have been developed to manage chemical loading and unloading areas. Some chemical unloading areas are equipped with containment and drains to handle any spills. Safe fill and shutdown procedures are available and are addressed in operator training. Station persons trained in spill prevention and response are available during unloading. Where feasible, chemicals are stored indoors.

6.5 Miscellaneous Loading/Unloading Areas

Most loading areas are under roof, in a contained area, or drain to the coal runoff pond for stormwater protection. Coal is received via open railcars but offloaded under a roofed unloading shed. The unloaded shed has been designed with a bottom dump shaker and has a baghouse to control dust at transfer points. Areas adjacent to the railroad tracks are further protected by maintaining a vegetated swale for sediment control. Most non-bulk materials are delivered to the warehouse in sealed containers and transported indoors for use.

6.6 Liquid Storage Tanks

The majority of the large tanks at this Facility have some form of secondary containment, as can be further described in Sections 4.3 and 4.4 of this Plan. Site personnel have been trained on proper spill response procedures in all areas of this Facility, even in areas where secondary containment is not feasible or available. This Facility provides Environmental Awareness Training as described in Section 5.2.5 for spill prevention and response. Tanks are inspected as indicated periodically. Spill kits with dry clean up materials and synthetic mats/drain seals are available in multiple locations at this Facility.

6.7 Large Bulk Fuel Storage Tanks

Refer to Section 4.4 of this plan and the facility's SPCC plan maintained under separate cover.

6.8 Spill Reduction Measures

Refer to Section 5.0 of this plan and the facility's SPCC plan maintained under separate cover.

6.9 Oil Bearing Equipment in Switchyards

Refer to Section 4.4 of this plan and the facility's SPCC plan maintained under separate cover.

6.10 Residue Hauling Vehicles

All residue hauling vehicles, including but not limited to Ash Hauling Vehicles, are required to be covered during all transport operations. The vehicles are inspected while onsite to ensure the load is covered, the gates are sealed and the integrity of the container body is satisfactory.

6.11 Ash Loading Areas

Ash loading areas (including adjacent drainage ditches and roadways) are cleaned of spillage and debris as needed. See Section 6.1 of this plan for more details.

6.12 Areas Adjacent to Disposal Ponds or Landfills

Ash hauling trucks are covered and are periodically inspected for defects that would contribute to ash release during transport. Trucks are periodically washed to remove ash that might have accumulated on the exterior. The roads are wetted to prevent dust generation and shoulders are scraped as needed. Vegetated buffers are maintained along the side of the haul roads to control solids runoff to stormwater.

6.13 Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites

This Facility does not have an open dumps onsite. Facility personnel perform inspections of the landfill and associated runoff ponds. Records of ash hauling quantities and placement are kept on file and are available upon request. A contractor handles general refuse (solid waste) disposal. The refuse is stored in covered containers.

6.14 Vehicle Maintenance Activities

6.14.1 Vehicle and Equipment Storage Areas

Equipment awaiting maintenance, that may be leaking, will either be store indoors or provided with appropriate spill prevention measures, including but not limited to drip pans, absorbents and drop clothes.

6.14.2 Fueling Areas

Fueling area requirements are listed under a separate cover in the Facility's SPCC Plan which is maintained under separate cover.

6.14.3 Vehicle and Equipment Cleaning Areas

Personal vehicles are not washed onsite. The Ash Landfill has a Vehicle Rinse Station that is used prior to all Ash Hauling Vehicles leaving the landfill area, to remove loose ash. The water collected from the rinse station is conveyed to the North Settling Pond discharging through Outfall 003 in accordance with the station's VPDES permit. A similar vehicle rinse station is included at the ash loading area at the main station facility. Loose ash is removed and rinsed to sumps where the water and ash is contained and conveyed to the ash settling and removal system. The system is essentially a closed loop system; any excess water is conveyed to the settling ponds that discharge through outfall 101.

6.14.4 Vehicle and Equipment Maintenance Areas

Typically vehicle maintenance is performed inside the Vehicle Maintenance Building; however, in the instance where vehicle maintenance is warranted to be performed outside, proper protection measures will be employed. Proper measures may include: the use of drop clothes, drip pans, portable booms, and staging of spill prevention materials.

6.14.5 Locomotive sanding (loading sand for traction) areas.

This Station does not practice locomotive sanding.

6.15 Material Storage Areas

When storing materials onsite, the following measures will be considered: flat yard grades, runoff collection in graded swales or ditches, erosion protection measures at steep outfall sites, covering laydown areas, storing materials indoors, and covering materials temporarily with polyethylene, polyurethane, polypropylene, or hypalon. Storm water runon maybe minimized by constructing an enclosure or building a berm around the area.

6.16 Comprehensive Site Compliance Evaluation

See Section 3.5 and Section 7.4 for documentation.

Yorktown Power Station Non-Storm Water Discharge Evaluation

Outfall ID	Method	Observation
Outfall 003	Dry Weather Evaluation	Dry, no flow observed (Valve discharge)
Outfall 004	Dry Weather Evaluation	Wet, no flow observed (Valve discharge)
Outfall 008	Dry Weather Evaluation	Wet, discharge observed. The water truck for fugitive dust suppression was the only potential contributor noted within Outfall 008's drainage area. This outfall will continue to be evaluated when longer periods of dry weather conditions occur.
Outfall 010	Dry Weather Evaluation	Dry, no flow observed
Outfall 011	Dry Weather Evaluation	Wet, discharge observed. The ditches contributing to Outfall 011 were observed to have standing water draining towards Outfall 011.
Outfall 012	Dry Weather Evaluation	Wet, no flow observed
Outfall 014	Dry Weather Evaluation	The discharge pipe is below the waterline and could not be seen; however, Outfall 014's drainage area was mostly dry and no flows of water observed.
Outfall 015	Dry Weather Evaluation	The discharge pipe is below the waterline and could not be seen; however, Outfall 015's drainage area was mostly dry and no flows of water observed.
Outfall 106	Dry Weather Evaluation	Wet, due to the discharge canal's water level, the end of the pipe was under water and the nearest sump was observed to have water in it.
Outfall 107	Dry Weather Evaluation	Due to the discharge canal's water level, the end of pipe could not be observed.
Outfall 108	Dry Weather Evaluation	Dry, no flow
Outfall 109	Dry Weather Evaluation	Wet, discharging. Water was observed to be seeping from under the bulkhead (earthen material on the other side) at the head of the coal pile access road's drainage ditch.
Outfall 110	Dry Weather Evaluation	The end of pipe was unable to be observed (discharge canal water level was noted to be up).

Comments: Some areas (i.e. ditches, lower lying areas, etc.) contained water from recent rain events. Some puddling was observed. Last recordable storm event, January 17, 2012 (0.01 inches), past seven days precipitation total of 0.44 inches.

Inspectors: Laura Shumaker, Stacie Jenkins, Glenn Johnson and Rick Woolard

Date: January 19, 2012

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Laura L. Shumaker
Authorized Signatory

24 January 2012
Date

Attachment G

Additional Clean Water Act Requirements For NPDES Permit Applications

§122.21(r) Requirements
At 72 FR 37109, July 9, 2007, §122.21(r)(1)(ii) and (r)(5) were suspended.

§125.95(b) Requirements
At 72 FR 37109, July 9, 2007, §125.95 was suspended.

Additional Information
In accordance with the 2007 VPDES Permit, Part I.B.10, the Impingement Mortality and Entrainment Characterization Study for Yorktown Power Station was submitted to the DEQ – Tidewater Regional Office on August 8, 2008.

Attachment H

Permit Requests

Removal of Outfall 104

Dominion requests that Outfall 104 be removed from the VPDES permit. This outfall consists of leachate collection system water which is typically discharged to HRSD York River STP (VA0081311). However, when this outfall discharges into the Yorktown Power Station wastewater treatment system, it is treated in the metals pond (internal Outfall 102) which then discharges to state waters via either Outfall 001 or Outfall 002. As the metals pond provides treatment for the identified parameters of concern, we believe there is no value added in sampling this waste stream prior to and after receiving treatment and propose removing this outfall.

Removal of Internal Stormwater Outfalls 011, 106, 107, 108, 109, 110, 112, 205

Dominion requests that the above outfalls be removed from the VPDES permit. Outfalls 112 and 205 are not regulated stormwater discharges. All the identified outfalls discharge into the discharge canal and commingle with process wastewater prior to discharge to state waters via either Outfall 001 or Outfall 002. The discharge canal provides additional treatment for the identified parameters of concern, and we believe there is no value added in sampling these discharges prior to receiving all forms of treatment. Outfalls 001 and 002 have not demonstrated an environmental concern with respect to the identified pollutants of concern. Also, removing internal stormwater outfalls (not subject to federal effluent guideline limitations) is consistent with other VPDES permits. Consequently, Dominion requests to remove these outfalls from the VPDES permit.

Removal of Total Phosphorus Limitation on Outfalls 001, 002, 003, 004, 008, and 014

Virginia's current Water Quality Standards regulation does not designate the York River as a Nutrient Enriched Water, NEW (9VAC25-260-350 and 9VAC25-260-530). In addition, the Yorktown Power Station is not designated as a "significant discharger" of nutrients in Virginia's Water Quality Management Planning Regulation (9 VAC 25-720). It is our understanding that the DEQ has removed the NEW 2.0 mg/L Total Phosphorus limitation in several permits on the basis that anti-backsliding does not apply as the limitation was derived based on the removal capability of wastewater treatment technology that was available at the time the NEW designation was established. The overwhelming majority of the phosphorous that exists in the discharges from Outfalls 001 and 002 originates from the York River water that is withdrawn and used in our plant processes. The nutrients in Outfalls 003, 004, and 008 are associated with stormwater runoff. Consequently, the concentration of phosphorous in our discharges is extremely low, and remains relatively unaffected by our treatment processes, which are not designed for the removal of phosphorous. Dominion understands the importance of, and the need for, nutrient monitoring. However, we believe continued limitation of and monitoring for total phosphorous in these outfalls is not beneficial and request that the phosphorous limitation of 2.0 mg/L be removed from Outfalls 001, 002, 003, 004, 008, and 014.

Additional Allowable Non-Stormwater Discharge

We request that "incidental spills of demineralized water from the reverse osmosis system or temporary demineralization trailer" be included in the permit as an allowable non-stormwater discharge. This additional language has been incorporated into other VPDES permits.

Use of Rainwater for Dust Suppression

The Conditional Use Permit (CUP) issued by York County requires dust suppression near various areas, including the landfill area and ash haul road. The Phase 1 rainwater collection system consists of a rain cover that holds water prior to being siphon- fed into the retention ponds; these ponds discharge via Outfalls 003 and 004. We request the ability to utilize rain water collected by the landfill's Phase I collection system for onsite dust suppression requirements.

Reduction in WET Testing Requirements

The 2007 VPDES permit requires toxicity testing as follows:

Outfall Type	Outfall	Test Required	Test Frequency
Process	002	Acute and chronic	Annual
	003	Acute and chronic	Quarterly
Stormwater	004	Chronic	Annual
	008/014	Acute	Annual
	011	Acute	Annual
	012	Acute	Annual

As illustrated in Form 2C, Part VII and Form 2F, Part VIII, outfalls 002, 003, 008/014, 011, and 012 did not demonstrate toxicity for any test metric. Outfall 004 had one test which resulted in a 50% NOEC for growth, with a concurrent 100% NOEC for survival; however subsequent retesting resulted in 100% NOECs for both growth and survival.

Per the 2007 VPDES Fact Sheet for this facility, toxicity testing was included for Outfalls 011 and 012 based on the activities within the drainage areas, not based on the screening criteria of two-times the acute water quality standard. These outfalls have not demonstrated toxicity nor have they demonstrated reasonable potential to cause toxicity. Accordingly, we request to remove the WET testing requirements from Outfalls 011 and 012.

Similarly, Outfalls 003 and 004 have not demonstrated toxicity nor failed the established screening criteria, and we request removal of the WET testing requirements on these outfalls.

Continued Use of Thermal Mixing Zone

The effective VPDES permit allows for a thermal mixing zone. The approved mixing zone is defined as the portion of the York River between the coast Guard Terminal Station pier (37° 13' 23"; -76° 29' 0") and the Oil Terminal pier (37° 13' 20"; -76° 25' 15"); the mixing zone is bounded on the South by the shoreline and on the North by a line extending between the outboard tips of the two piers. In accordance with Special Condition B.15, Dominion has conducted the annual temperature surveys and submitted the results to DEQ, demonstrating compliance with this special condition during the permit term. Accordingly, we request the continued use of the existing thermal mixing zone.

Attachment I

Supplemental Information

Outfall Inclusion on Forms 2C or 2F

In previous permit applications, outfalls (including internal outfalls) were reported on the EPA Form correlating to the discharge type (e.g. all outfalls discharging stormwater were reported on the Form 2F). With this permit reissuance application, internal outfalls were reported on the EPA Form corresponding to the associated final, external outfall (e.g. all internal outfalls of Outfall 001, regardless of the type of water discharged, are included on Form 2C).

Previously, Outfalls 003 and 004 were reported on the Form 2F but treated in the permit as process water discharges. Upon further evaluation, we believe the Outfall 003 is most appropriately reported on Form 2C, as it contains truck wash waters that utilize potable water as the wash water. While the discharge water from Outfall 004 does not act as a stormwater discharge (i.e. the discharge from this outfall can be controlled), the discharge is industrially exposed stormwater; accordingly, we have reported Outfall 004 on Form 2F.

EPA Form 2C, Part II.B.

The reported average flows for outfalls 001, 101, 102, 103, 002, and 003 were generated using DMR data from November 2008 –September 2011. The flow values reported for outfalls 105, 202, 204, 111, 005, and 006 as well as specific wastewater streams were estimated based on input from station personnel. Outfalls 203, 007, 016 and 017 are non-process water outfalls where flow monitoring is not performed.

EPA Form 2C, Part V.

No Part V pages were submitted for outfalls 105, 202, 203, 204, 111, 005, 006, 007, 016 and 017 as analytical samples were not required of these non-process water discharges (see the approved sampling plan in Attachment D).

No Part V pages were submitted for internal outfall 109 as analytical samples were not required of this stormwater discharge (see the approved sampling plan in Attachment D).

For all internal outfalls, the DEQ approved analytical testing waivers for all Form 2C, Part V parameters with the exception of those parameters monitored in the VPDES permit. Accordingly, the majority of the nine Form 2C, Part V pages would be marked "believed absent." However, some DMR required parameters are not addressed by the Form 2C and would not normally be included in the application package. In an effort to streamline the permit reissuance process while providing as much analytical information as possible for the internal outfalls, a data summary for each outfall was included in the application package in lieu of submitting Part V pages for internal outfalls.

When analyzing a mixed data set (a mixture of real values and less than quantification level values), a value of one half the quantification level was used to generate the requested calculated value. Mass loadings were calculated using the maximum daily flow value. In cases where all measured data were less than the quantification level, the mass loading was reported as "less than" the calculated value. When all data were less than the quantification level and different quantification levels were achieved, the average concentration was reported as less than the highest quantification level achieved (e.g. if four sample results were <0.1, <0.01, <0.001, and <0.005, the average concentration was reported as <0.1).

DMR data reported from December 2008 through October 2011 were utilized to complete the Part V tables.

For pH, the maximum observed pH was reported as the maximum daily value while the maximum thirty-day average value was calculated by averaging the maximum pH values reported on the DMRs from the specified date range.

The temperatures reported for Outfalls 001 and 002 were taken with the required pH readings from 2009 - 2011; the summer timeframe was defined as July, August, and September whereas winters months were January, February, and March.

Maximum 30-day flow values were not available for Outfall 003. When available, long term average flows were calculated using the monthly average flows.

Part V.A.4 (Intake) was completed only for Outfalls 001 and 002; however this intake data is representative of the intake water quality for Outfalls 005, 006, 007, and 016.

EPA Form 2F, Part VII.

No Part VII pages were submitted for outfalls 009, 013 and 015 as analytical samples were not required of these stormwater discharges (see the approved sampling plan in Attachment D).